

Environmental Training



Corporate and Community Programs

**Spring 2010
PROGRAMS INSIDE!**

**DELAWARE
TECH**



HIGHLIGHTS:

OPERATOR OF THE YEAR: MAY 6

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Environmental Training at Delaware Tech. . .

The mission of the Environmental Training Center (ETC) at the Owens Campus of Delaware Technical & Community College is to provide applicable classroom training and technical assistance to Delaware's environmental workforce.

Classroom training consists of credit and non-credit programs for onsite technicians, well drillers, and water and wastewater operators. Included in the non-credit programs are courses that prepare operators to successfully complete the state's rigorous licensing examination. After operators receive their licensure, the ETC provides on-going continuing education classes and seminars.

Credit and Non Credit Courses!

Delaware Technical & Community College
Corporate and Community Programs, ETC
Jack F. Owens Campus
P.O. Box 610
Georgetown, DE 19947
302-855-5900
www.dtcc.edu/owens/ccp

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On the Cover: Instructor Sam Allen and Environmental student Justin Megee.

Regulatory Course Approvals

Courses approved as indicated for the state of Delaware.

Check course descriptions for Md., N.J., Pa., Va. licensing

approvals, Del. Onsite licensee approval, Del. Wastewater/Water Operator's approval.

	Hours	Water	Wastewater	Well	Onsite
21st Century Drinking Water Corrosion Control—pg. 33	7	•			
21st Century Principles of Water/Wastewater Liquid Chlorination and De-Chlorination—pg. 12	7	•	•		
21st Century Ultra Violet Disinfection—pg. 11	7	•	•		•
Alt. Energy Sources for Water & Wastewater Facilities—pg. 31	7	•			
Asset Management Program Basics—pg. 26	4	•	•		
Base Level Water Operators Course—pg. 6	57	•		•	
Basic Electricity for Operators—pg. 16	7	•	•	•	•
Basic Instrumentation & Process Control—pg. 34	7	•	•		•
Basic Microscopy for Wastewater Operators—pg. 14	7		•		•
Budgeting for Small Utilities—pg. 15	4	•	•		
Capital Improvements Planning & Long Term Water & Sewer Capacity—pg. 25	4	•	•	•	
Care and Feeding of Septic Systems—pg. 26	3.5		•		•
Chasing The Thermal Demons—pg. 33	7	•	•		
Chlorination Disinfection Science—pg. 35	7	•	•		•
Chlorination Technology—pg. 24	7	•	•	•	•
Chlorine Dioxide Disinf. in the Water/Wastewater Process—pg. 35	7	•	•		
Collection Systems Short Course—pg. 24	14		•		•
Collection System Troubleshooting—pg. 12	7		•		•
Composting Basics—pg. 23	4		•		
CUPSS Software Training (Check Up Program for Small Systems)—pg. 29	4	•	•		
Customer Relations for Environmental Technicians—pg. 15	7	•			•
Delaware's Hydrogeology and the Rocks and Fossils of the Mid-Atlantic—pg. 31	7	•		•	•
Disinfection Operations for Water & Wastewater Systems—pg. 13	14	•	•		•
DOT Regs Review for Pumpers—pg. 13	3				•
Electrical Blueprint Reading for Operators—pg. 19	7	•	•	•	•
Electrical Safety for Water & Wastewater Operators—pg. 13	7	•	•		•
Electrical Troubleshooting for Operators—pg. 27	7	•	•	•	•
Evaluating Financial Capacity—pg. 12	4	•			
Evaluating Water System Processes to Elim. Sanitary Risks—pg. 21	7	•			
Excavation—pg. 17	6	•	•		•
Five Common Sense Practices for Better Water/Wastewater Operations—pg. 30	7	•			
Fundamental Processes in Wastewater Treatment	7				

Regulatory Course Approvals

Courses approved as indicated for the state of Delaware.

Check course descriptions for Md., N.J., Pa., Va. licensing

approvals, Del. Onsite licensee approval, Del. Wastewater/Water Operator's approval.

	Hours	Water	Wastewater	Well	Onsite
Fundamentals of Septic Filtration and STEP Systems—pg. 24	7		•		•
Geographic Information Systems Using ARC View—pg. 22	48	•			•
Global Positioning Systems—pg. 14	7	•	•	•	•
Innovative & Alternative Onsite Systems—pg. 27	7		•		•
Inspection Onsite WW Systems—pg. 25	7		•		•
Intro to Mapping and GIS for Operators—pg. 17	7	•	•		•
Intro to SCADA—pg. 27	7	•	•		•
Intro to Variable Frequency Drives (VFD)—pg. 14	7	•	•		•
Management Systems Approach to Improve Water and Wastewater Facility Operations—pg. 23	7	•	•		
Managing Fatty Waste in Collection Sysys and Lift Stations—pg. 16	6				•
Managing Side Stream Discharges—pg. 19	4		•		•
Math Review for the Maryland & Virginia Wastewater Exam and Advanced Math for Delaware Operators—pg. 29	7		•		
Math Review for the Maryland & Virginia Water Exam and Advanced Math for Delaware Operators—pg. 28	7	•			
Math Review for Wastewater Operators—pg. 30	6		•	•	•
Math Review for Water Operators—pg. 29	6	•		•	•
Membranes and Fluoridation Technologies—pg. 25	7	•			
NFPA 70E 2009 Std for Electrical Safety in the Workplace—pg. 19	7	•	•		•
NICET Water and Sewer Pipeline Certification Course—pg. 10	35	•	•		
Onsite 101—pg. 26	7		•		•
Onsite Control Systems—pg. 32	7		•		•
Onsite Disposal System Hydraulics—pg. 28	7		•	•	•
Onsite License Preparation Course (H)—pg. 8	21				•
Onsite Wastewater Treatment and Disposal Systems—pg. 18	3		•		•
Operation & Maintenance of the American Manufacturing “DRIP” Irrigation System—pg. 28	3		•		•
OSHA (1926) Construction Safety Course—pg. 8	12	•	•		•
Pipeline Assessment Certification Program—pg. 8	16	•	•		
Preparation for the Delaware Pump Installers and Well Drillers Exam—pg. 9	7	•		•	
Process Control—pg. 6	48		•		•
Programmable Logic Controllers—pg. 7	36	•	•		•
Pump Fundamentals for Well Drillers—pg. 9	7	•		•	•
Pump Hydraulics—pg. 20	7	•	•		•
Pumps: Installation, Maintenance & Repair—pg. 20	7	•	•	•	•

Regulatory Course Approvals

Courses approved as indicated for the state of Delaware.

Check course descriptions for Md., N.J., Pa., Va. licensing approvals, Del. Onsite licensee approval, Del. Wastewater/Water Operator's approval.

	Hours	Water	Wastewater	Well	Onsite
Pumps: Motors & Controls—pg. 12	6	•	•	•	•
Replacement Onsite Systems—pg. 21	4		•		•
Respirator Usage/Lockout-Tagout Procedures/Permit Confined Space Entry—pg. 18	8	•	•		•
Risers, Baffles and Filters - Installation & Repair—pg. 25	4		•		•
Self Priming Centrifugal Pumps—pg. 20	7	•			•
Small Water Systems—pg. 16	7	•			
Soils—pg. 30	7		•		•
Soils Based Approach to Siting Wastewater Disposal—pg. 26	4		•		•
Submersible Pumps—pg. 23	7	•	•		•
Surface Water Treatment—pg. 34	7	•	•		•
Team Building—pg. 17	7	•			
Ten Little-Known Water/Wastewater Operators' Secrets—pg. 11	7	•	•		
The State Wastewater Exam "Hurricane" Review Level I—pg. 36	7		•		
The State Wastewater Exam "Hurricane" Review Levels II, III and IV pg. 36	7		•		
Three Phase AC Power Workshop—pg. 23	7	•	•		•
Time and Project Management—pg. 14	7	•	•		•
Tips & Tools for 21st Century Water/Wastewater Process Monitoring—pg. 22	6	•	•		•
Train the Trainer Designed for Collateral Duty Safety Personnel—pg. 18	7	•	•		•
Trenching/Shoring Safety—pg. 20	7	•	•		•
Troubleshooting Pumps—pg. 28	7.5	•	•	•	•
True Confessions of a Water/Wastewater Operator—pg. 34	7	•	•		
Utility Rate Setting & Cost Recovery—pg. 22	4	•			
Valves—pg. 21	7	•	•		•
Verifying the Water, Wasetwater Process—pg. 11	7	•	•		
Wastewater Operator Certification Review, Level I, II & II—pg. 7	48		•		•
Wastewater Operator Certification Review, Level IV—pg. 35	33		•		•
Wastewater Math 101—pg. 8	14		•		•
Water Operator Chemical Free Course for Floride, Lime, PH Adjustment and Inhibitors—pg. 10	30	•			
Water Operator Cert Distribution Endorsement Course—pg. 10	35	•			
Water Source Trans. & Distribution—pg. 6	48	•			
Water Supply Hydrology—pg. 31	7	•			
Water Treatment & Chlorine Safety —pg. 33	7	•			
Water/Wastewater Operations for Elected/Appointed Off.—pg. 17	5	•			
Well Construction Techniques—pg. 9	7	•		•	

CREDIT

Water Sources/Trans. & Distribution

For water resource managers. Includes surface and groundwater sources, hydrology, water quality, laws/regulations, flow measurements, storage, intake structures, wells, materials/equipment line repair, fire hydrant maintenance, cross-connection control, storage, water quality, pump stations, cleaning/maintenance of lines, and infiltration monitoring.

Instructor: Staff

- ▶ *Approved DE Water Ops. MDE Approved #1494-97-02, ALL, WT, WD, 48 (1.5x). Approved DE onsite lic. A, B, C, D, E, F.*
- ▶ 1/13-4/28, Wednesday, 6-9pm, 16 sessions. ENV 264 251

Process Control

Introduction to the monitoring, operation and control concepts for biological treatment process. The primary emphasis is on the activated sludge water treatment process, but the technique of fixed film process operation is also covered. Topics covered include level monitoring, data acquisition, process control calculations, biological process analysis and problem solving. Advanced topics discussed include filamentous bacteria identification, biological nitrogen removal, biological phosphorus removal and current issues in the industry.

Instructor: Sam Schlegel

- ▶ *Approved DE WW Ops-D. MDE Approved #1493-97-02, WW3, 5., IWW5, 48 (1.5x), P. Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-040604-20.*
- ▶ 1/14-4/29, Thursday, 5:30-9:20pm, 16 sessions. ENV 256 251

CERTIFICATION: OWENS CAMPUS

Base Level Water Operators Course

This is an entry-level course that prepares students for the state certification exam. Topics include basic water system operator responsibilities, water sources and treatment, math, pumps, disinfection, lab procedures, treatment plant operations and safety. Books are available for purchase in campus bookstore.

Instructors: Rick Duncan, Kevin Burdette, Jerry Williams

- ▶ *Approved DE Water Ops. MDE Approved #2451-02-03, 57 (1.5x) NJ-07-040612-10. 57 hrs, 5.7 CEUs*
- ▶ 1/20-5/26, Wed., 6:30-9:30pm, 19 sessions. \$295. EYI 237 231

Wastewater Operator Certification Review, Level I

Designed as preparation for state licensing exam; this entry level course is intended for wastewater operators or individuals interested in water quality. Expert instructor utilizes textbook and videos. Text available in bookstore.

Instructor: Jeff Deats

- ▶ *Approved DE WW Ops-D. MDE Approved #1372-96-06, WW 1-6, S; IW 1-5, 7. Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-040608-20. Approved VA WWOPS. 48 hrs, 4.8 CEUs.*
- ▶ 1/25-5/10, Monday, 6:30-9:30pm, 16 sessions. \$249. EYI 200 231

Wastewater Operator Certification Review, Level II & III

Prepares students at a more advanced level for state exam.

Excellent instructor; text available in bookstore.

Instructor: Mark Kondelis

- ▶ *Approved DE WW Ops-D. MDE Approved #1395-96-07 (1.5x) WW 1-6,S; IW 2-5.. Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-040609-20. Approved VA WWOPS. 48 hrs, 4.8 CEUs*
- ▶ 1/25-5/10, Monday, 6-9pm, 16 sessions. \$249. EYI 201 231

Programmable Logic Controllers

Explore the basics of what a PLC is and does and the fundamentals of programming the device. Learn about ladder logic theory, PLC programming, Functions-Timer-Counter-Math-Logic-Sequencer, PLC Networks Troubleshooting and Servicing the PLC System.

The course combines lecture and hands-on learning using PLCs Simulator. Text available in bookstore.

Instructor: Sam Allen

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved # 2622-02-09 (1.5x) ALL, NP. Approved DE onsite lic. C, E, F. DE Approval #070518. DE/EE Approved for 10 CE hrs. NJ-07-040619-30. Approved VA WWOPS. 36 hrs, 3.6 CEUs*
- ▶ 2/2-4/20, Tuesday, 6-9pm, 12 sessions. \$275. EYY 216 231



Jordanian visitors viewing the Onsite Lab

Wastewater Math 101

Conducted one hour prior to start of Level I Review. Course teaches all math skills needed to successfully complete the state Level I test. Textbook available in bookstore.

Instructor: Jerry Williams

- ▶ *Approved DE WW Ops-D. MDE Approved #1394-96-07, (1.5x) ALL. Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-040611-20. Approved VA WWOPS. 14 hrs, 1.4 CEUs*
- ▶ 2/8-5/10, Monday, 5:30-6:30pm, 14 sessions. \$119. EYI 202 231

Pipeline Assessment Certification Program

Understand the inside of pipes, both sanitary and storm, and the defects that cause problems with the collection system. Certification test given. National Association of Sanitary Service Companies. In-class book purchase, \$300.

Instructor: Dick Eubank

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #4342-08-09 (1.5x) ALL, NP. NJ-07-090799-20. 16 hrs, 1.6 CEUs*
- ▶ 2/11-2/12, Thursday & Friday, 8:30am-5pm, 2 sessions. \$305. EYI 570 201

Onsite License Preparation Course (H)

Prepares an individual to pass the licensing examination for onsite class B (designer), E (installer) and F (hauler). Covers the siting, designing, installation, operation, maintenance and inspection of onsite wastewater treatment systems in Delaware.

Instructor: Hilary Moore

- ▶ *Approved DE onsite lic. A, B, C, D, E, F, H. 21 hrs, 2.1CEUs*
- ▶ 3/4-4/15, Thursday, 6-9pm, 7 sessions. \$159. EYI 285 231

OSHA (1926) Construction Safety Course

12 hr. OSHA Construction Safety Outreach Program. Many large companies in Delaware recognize this as meeting their safety requirements. An OSHA card is issued upon successful completion.

Instructor: David Eppelheimer

- ▶ *Approved DE Water Ops. Approved DE WW Ops-I. MDE Approved #4579-09-07, 12 (1.5x), ALL, NP. Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-050797-31. 12 hrs, 1.2 CEUs*
- ▶ 3/11-3/25, Thursday, 5:30-9:30pm, 3 sessions. \$125. EYI 565 231

Preparation for the Delaware Pump Installers and Well Drillers Exam

(Includes preparation for NGWA Exam) Designed to prepare anyone to take the Delaware exam. Topics include: review of all examination topics, Delaware regulations and a discussion of industry standards and practices. If you pass this course and the Pump Fundamentals and Well Construction courses, instructor will provide his signature which is needed for state certification.

Instructor: Eric Sackett

- ▶ ***Approved DE Water Ops. Approved DE onsite lic. A, B, C, D, E, F, H. 7 hrs, .7 CEUs***
- ▶ 3/12, Friday, 8:30am-4:30pm, 1 session. \$119. EYI 259 201

Well Construction Techniques

Training for entry-level drillers, apprentices, or water service personnel on well construction and sanitary principles. Topics include: well components, construction methods and unconsolidated formulation. If you pass this course, Pump Fundamentals and Preparation for the DE Pump Installers and Well Drillers Exam, instructor will provide his signature needed for state certification.

Instructor: Eric Sackett

- ▶ ***Approved DE Water Ops. Approved MD/DE well drillers. NJ-07-040628-10. 7 hrs, .7 CEUs***
- ▶ 3/26, Friday, 8:30am-4:30pm, 1 session. \$119. EYI 257 201

Pump Fundamentals for Well Drillers

Topics include: jet pumps, submersible pumps, centrifugal pumps up to 5 hp and how to size/install/troubleshoot them. If you pass this course and Well Construction Techniques and Preparation for the Delaware Pump Installers and Well Drillers Exam course, the instructor will provide his signature needed for state certification.

Instructor: Eric Sackett

- ▶ ***Approved DE Water Ops. Approved MD/DE well drillers. NJ-07-040629-30. 7 hrs, .7 CEUs***
- ▶ 4/9, Friday, 8:30am-4:30pm, 1 session. \$119. EYI 256 201

NICET Water and Sewer Pipeline Certification Course

Prepares students to take the National Institute of Certified Engineering Technicians test to inspect new infrastructure installation for water/wastewater systems. Book given in class; test given at DTCC once every quarter.

Instructor: Dick Eubank

- ▶ *Approved DE Water Ops. Approved DE WW Ops-I. 35 hrs, 3.5 CEUs*
- ▶ 4/12-4/16, Monday-Friday, 8:30am-4:30pm, 5 sessions. \$399. EYI 585 201

Water Operator Certification Distribution Endorsement Course

This intermediate level course prepares the student for the State of Delaware Water Operator Certification Exam for distribution systems. Book available for purchase in campus bookstore.

Instructor: Steve Rohm, CET

- ▶ *Approved DE Water Ops. NJ-07-040616-10. 35 hrs, 3.5 CEUs*
- ▶ 4/13-5/25, Tuesday, 9am-3pm, 7 sessions. \$269. EYI 236 201

Water Operator Chemical Feed Course for Fluoride, Lime, PH Adjustment and Inhibitors

This endorsement course prepares the operator for the state certification exam. Operators will explore different areas of chemical feed including permanganate, fluoridation, lime soda ash softening, hydrogen peroxide and pH. Books available for purchase in campus bookstore.

Instructor: Steve Rohm, CET

- ▶ *Approved DE Water Ops. NJ-07-040614-10. 30 hrs, 3.0 CEUs*
- ▶ 4/22-5/27, Thursday, 9am-3pm, 6 sessions. \$249. EYI 282 201

How do I determine if a course is approved for water, wastewater, well or onsite?

A chart that lists each of our course offerings is included on pages 3, 4 and 5. Courses are approved as indicated for the state of Delaware. Check course descriptions for Md., N.J., Pa., Va. licensing approvals, Del. Onsite licensee approval, Del. Wastewater/Water Operator's approval.

RECERTIFICATION-OWENS CAMPUS

21st Century Ultra Violet Disinfection

Investigate the latest UV disinfection techniques and applications for potable water and wastewater. Operations personnel will explore the advantages of UV systems compared to typical chemical disinfection systems like Chlorine or Ozone. Learn why the latest research suggest low-dose UV may be very effective at controlling Giardia and Cryptosporidium in potable waters, define and examine what UV is, how it differs from other typical disinfection systems, and understand the disadvantages.

Instructor: Mike Harrington, CET

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #3889-06-11, 7 (1.5x) ALL, P. Approved DE onsite lic. A, B, C, D, E, F, H. PADEP#3587. NJ-07-050794-30. 7 hrs, .7 CEUs*
- ▶ 1/19, Tuesday, 8:30am-4:30pm, 1 session. \$125. EYI 560 201

Verifying the Water, Wastewater Process

Combines interactive lecture and test method demonstration of water/wastewater testing for compliance and operational needs. Covers the basic calorimetric, titrimetric, nephelometric, electrometric, turbimetric testing protocol for operation needs. Will provide the water/wastewater professional and beginning operator the tools to choose the right test method, and apply towards operational and compliance needs.

Instructor: Mike Harrington, CET

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #4301-08-06, 7 (1.5x) ALL, P. PADEP #430. NJ-07-040633-30. Approved VA WWOPS. 7 hrs, .7 CEUs*
- ▶ 1/20, Wednesday, 8:30am-4:30pm, 1 session. \$125. EYI 233 201

Ten Little-Known Water/Wastewater Operators' Secrets

Explores little-known tools to achieve better operations in treatment, distribution, or collection. Discover the importance of simple hypochlorite strength measurements; why portable ORP monitoring can yield big dividends; and how refining lab tests for disinfection residuals, alkalinity, solids core-taking, nutrient and jar-testing can avoid violations.

Instructor: Mike Harrington, CET

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #1964-99-07, 7 (1.5x) ALL, NP. PADEP #434. NJ-07-040631-30. Approved VA WWOPS. 7 hrs, .7 CEUs*
- ▶ 1/21, Thursday, 8:30am-4:30pm, 1 session. \$125. EYI 232 201

21st Century Principles of Water/Wastewater Liquid Chlorination and De-Chlorination

Examine common mistakes water/wastewater systems make using Hypochlorite and liquid based De-chlorinating agents; compare and contrast onsite generation and high strength verses low strength hypochlorite. Topics include: sulfite de-chlorination, vitamin C, hydrogen peroxide, and other de-chlorinating methodologies. Examines importance of measuring delivered Hypochlorite/ De-chlorinating agent strength and rates of deterioration, pump calculations and settings. Handling, storing and using liquid based compounds presented.

Instructor: Mike Harrington, CET

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #4320-08-07, 7 (1.5x) ALL, P. NJ-07-0908102-30. 7 hrs, .7 CEUs*
- ▶ 1/22, Friday, 8:30am-4:30pm, 1 session. \$125. EYI 577 201

Evaluating Financial Capacity **Free!**

Discover the principles of sound financial capacity for small utilities, steps to evaluate and measure financial capacity and the reasons each evaluation criterion is important. While most of the discussion pertains to water utilities the majority of the methods and evaluations also can be applied to wastewater utilities.

Instructor: Jean Holloway

- ▶ *Approved DE Water Ops. MDE Approved #4160-08-02, Supers, ALL, NP. NJ-07-0908105-30. 4 hrs, .4 CEUs*
- ▶ 1/26, Tuesday, 8:30am-12:30pm, 1 session. FREE. EYI 580 201

Pumps: Motors & Controls

Review care/maintenance requirements for pumping systems, associated control panels and motors. Major emphasis on mechanical and electrical troubleshooting.

Instructor: Steve Elder

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #430-89-05, 6 (1.5x) ALL, NP. Approved MD/DE well drillers. Approved DE onsite lic. B, C, E. PADEP #2033. NJ-07-040669-30. Approved VA WWOPS. 6 hrs, .6 CEUs*
- ▶ 1/27, Wednesday, 8:30am-3:30pm, 1 session. \$85. EYI 223 201

Collection System Troubleshooting

Review the techniques used to identify and repair the collection system defects which can result in sanitary sewer overflows (SSOs).

Subjects include: CMOM requirements, asset management, collection system cleaning and maintenance, flow monitoring, manhole inspections, smoke testing, building inspection, TV inspection, and rehabilitation techniques.

Instructor: Dick Eubank

- ▶ *Approved DE WW Ops-I. MDE Approved #1835-98-11, ALL (1.5x), NP. PADEP #1941. NJ-07-040688-30. Approved VA WWOPS. 7 hrs, .7 CEUs*
- ▶ 1/28, Thursday, 8:30am-4:30pm, 1 session. \$119. EYI 204 201

Electrical Safety for Water & Wastewater Operators

Gain a basic understanding of NFPA 70E (Electrical Safety in Workplace Standards) and basic electrical safety. Topics include: wastewater/water laboratory electrical safety requirements, NFPA 70E requirements, electrical safety hazard compliance, ARC flash protection, AFCI and GFCI circuit protection devices, programmable logic controller safety.

Instructor: Sam Allen

- ▶ *Approved DE Water Ops. Approved DE WW Ops-I. MDE Approved #4437-09-04, 7 (1.5x) ALL; SUPERS, NP. Approved DE onsite lic. A, B, C, D, E, H. NJ-07-0409106-31. 7 hrs, .7 CEUs*
- ▶ 1/29, Friday, 8:30am-4:30pm, 1 session. \$125. EYI 586 201

DOT Regs Review for Pumpers

Review federal motor carrier safety regulations; emphasis on DOT out-of-service criteria. Includes book.

Instructor: Lee Derrickson

- ▶ *Approved DE onsite lic. F. Limit 25 students. 3 hrs, .3 CEUs*
- ▶ 2/1, Monday, 6:30-9:30pm, 1 session. \$65. EYI 575 231

Disinfection Operations for Water & Wastewater Systems

Designed to teach the small system operator about chlorine and its alternatives for disinfection of drinking water and treated wastewater. Topics include: disinfectant selection, including cost, safety, maintainability, control and monitoring considerations; the pros and cons of chlorine dioxide and chloramine; the benefits and features of other alternative disinfectants. Various lab methods to determine residuals/demonstrations of simplified test protocols. Hands-on practice included.

Instructor: Mike Harrington, CET

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #1842-98-12, 14 (1.5x) ALL, P. Approved DE onsite lic. C, E*

PADEP#2021. NJ-07-040634-30. Approved VA WWOPS. 14 hrs, 1.4 CEUs

- ▶ 2/2-2/3, Tuesday & Wednesday, 8:30am-4:30pm, 2 sessions. \$185. EYI 231 201

Time and Project Management

Develop multi-tasking skills to balance the demands of organization, employees, personal life. Learn strategies for time management; developing an action plan.

Instructor: John Kurjuweit

- ▶ **Approved DE WW Ops-I. Approved DE Water Ops. MDE Approved #4581-09-07, 7, ALL. Approved DE onsite lic. A, B, C, D, E, F, H. PADEP #1946. NJ-07-040644-30. Approved VA WWOPS. 7 hrs, .7 CEUs**
- ▶ 2/2, Tuesday, 8:30am-4:30pm, 1 session. \$95. EYI 512 201

Global Positioning Systems

Achieve a basic understanding of the Global Positioning System (GPS) including fundamental concepts, capabilities and limitations. Includes a discussion of both hardware and software as it relates to the collection, use, and presentation of locational information associated with the water and wastewater industries.

Instructor: Alan Roth, MS

- ▶ **Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #3624-05-12, 7.0 (1.5x) ALL; SUPERS ALL, NP. Approved MD/DE Well Drillers. Approved DE onsite lic. A, B, C, D, E, F, H. PADEP #1929. NJ-07-040672-30. Approved VA WWOPS. 7 hrs, .7 CEUs**
- ▶ 2/2, Tuesday, 8:30am-4:30pm, 1 session. \$119. EYI 524 201

Basic Microscopy for Wastewater Operators

Review significant organisms which inhabit wastewater treatment processes and their roles in the stabilization of wastewater and sludge. (Workbook included)

Instructor: Mike Harrington, CET

- ▶ **Approved DE WW Ops-D. MDE Approved #2276-01-04, 7 (1.5x) ALL, P. Approved DE onsite lic. A, B, C, D, E, F, H. PADEP #1938. NJ-07-040623-20. Approved VA WWOPS. 7 hrs, .7 CEUs**
- ▶ 2/4, Thursday, 8:30am-4:30pm, 1 session. \$139. EYI 210 201

Intro to Variable Frequency Drives (VFD)

Understand variable frequency drive uses, operations and maintenance. Topics: what are VFDs, why use them, how do

they work, available features, troubleshooting and maintenance requirements. Learn about available features in hardware, control, and firmware available in drives.

Instructor: Sam Allen

- ▶ **Approved DE Water Ops. Approved DE WW Ops-D. Approved DE onsite lic. C, E. NJ-07-0608101-30. MDE Approved #4314-08-06, 7 (1.5x) ALL, NP, 7 hrs, .7 CEUs**
- ▶ 2/5, Friday, 8:30am-4:30pm, 1 session. \$125. EYI 573 201

Customer Relations for Environmental Technicians

Identify customer service expectations and build creative solutions to meet your needs. Learn how: to diffuse an irate customer over the phone or in person; your body language can enhance or discourage the process. Learn practical tools to listen effectively to customer feedback and take action to solve problems.

Instructor: John Kurpjewit

- ▶ **Approved DE Water Ops. MDE Approved #4583-09-07, 7, ALL, NP. Approved DE onsite lic. A, B, C, D, E, F, H. PADEP #1942. NJ-07-040626-30. Approved VA WWOPS. 7 hrs, .7 CEUs**
- ▶ 2/9, Tuesday, 8:30am-4:30pm, 1 session. \$95. EYI 503 201

Budgeting for Small Utilities **Free!**

Outline the basic steps to compile a water or wastewater budget, including methods of projecting revenue and expense with little or no historic data. Supervisors will learn techniques that contribute to a sound budgeting process; technical staff on first level of budget input will learn how to communicate their organizational needs.

Instructor: Jean Holloway

- ▶ **Approved DE Water Ops. Approved DE WW Ops-I. MDE Approved #3534-05-07 SUPERS ALL, NP. NJ-07-040685-30. Approved VA WWOPS. 4 hrs, .4 CEUs**
- ▶ 2/9, Tuesday, 8:30am-12:30pm, 1 session. FREE. EYI 532 201



Instructor Steve Rohm, CET, giving tour of Onsite Lab to Jordanian visitors.

Basic Electricity for Operators

This seminar course covers electrical subjects you need to know. Topics include fundamentals of electric motors, amperage, theory/measurement, continuity, basic circuits, hands-on electrical tests, connections and more.

Instructor: Israel Repolle



- ▶ **Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #1553-97-05, 7, ALL. Approved MD/DE Well Drillers. Approved DE onsite lic. C, E. PADEP #432. NJ-07-040622-30. Approved VA WWOPS. 7 hrs, .7 CEUs**
- ▶ 2/10, Wednesday, 8:30am-4:30pm, 1 session. \$155. EYI 205 201

Small Water Systems **New!**

Designed to help meet the challenges in the operations of small water systems, i.e., do more with less. Operators must identify problems and take corrective action. Class provides operators creative ways to identify/correct problems early in the treatment process to minimize down time. Examination of production well monitoring, optimizing chemical feed systems, reviewing alternate disinfection methods and compliance with numerous safety and health regulations.

Instructor: Ed Cope

- ▶ **Approved DE Water Ops. MDE Approved #4302-08-06, 7 (1.5x) WT ALL, P. NJ-07-1009704-10. 7 hrs, .7 CEUs**
- ▶ 2/11, Thursday, 8:30am-4:30pm, 1 session. \$119. EYI 598 201

Managing Fatty Waste in Collection Systems and Lift Stations **New!**

Examine fatty waste (FOG) sources and their effect on wastewater collection systems and treatment facility. Cover strategies to reduce FOG contributions through educational measures and specific scheduled system maintenance strategies. Discuss FOG treatment and disposal technologies to use within the facility and disposal through outside contractors.

Instructor: Steve Rohm, CET

- ▶ **Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-1009707-20. 6 hrs, .6 CEUs**
- ▶ 2/12, Friday, 9am-4pm, 1 session. \$119. EYI 597 201

Team Building

Explore methods of building a work team that is committed to accomplishing organizational goals. Topics include how to build a work team, reach decisions, and enhance productivity through teamwork.

Instructor: John Kurpjuweit

- ▶ *Approved DE Water Ops. PADEP #2030. NJ-07-040649-30. Approved VA WWOPS. 7 hrs, .7CEUs*
- ▶ 2/16, Tuesday, 8:30am-4:30pm, 1 session. \$95. EYI 513 201

Excavation

Provides trainees with an overview of OSHA 1926 Subpart P, OSHA excavation standard. Emphasis is on responsibilities of the competent person including: requirements of the standard, use of protective systems, and soil analysis. Other topics include: causes of cave-ins, OSHA case studies, and emergency response planning.

Instructor: Bob Chrest, MPA, CET, CST

- ▶ *Approved DE Water Ops. Approved DE WW Ops-I. MDE Approved #3720-06-06, 6 (1.5x) ALL; SUPERS ALL, NP. Approved DE onsite lic. A, B, C, D, E, F, H. PADEP #1944. NJ-07-040680-31. Approved VA WWOPS. 6 hrs, .6 CEUs*
- ▶ 2/16, Tuesday, 8:30am-3:30pm, 1 session. \$85. EYI 529 201

Intro to Mapping and GIS for Operators

Introduces the concept of Geographic Information Systems (GIS), what constitutes a GIS, and how it is used in this industry. Topics include: database management, layering, projections and coordinate systems, data viewing/presentation/analysis.

Instructor: Alan Roth, MS

- ▶ *Approved DE Water Ops. Approved DE WW Ops-I. Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-040692-30. Approved VA WWOPS. 7 hrs, .7 CEUs.*
- ▶ 2/16, Tuesday, 8:30am-4:30pm, 1 session. \$119. EYI 553 201

Water/Wastewater Operations for Elected/Appointed Public Officials

Covers everything that public officials need to know to oversee and manage their water and wastewater facilities. Students are provided with two excellent textbooks for reference.

Instructor: Kevin Burdette

- ▶ *Approved DE Water Ops. NJ-07-040651-30. Approved VA WWOPS. 5 hrs, .5 CEUs*
- ▶ 2/17, Wednesday, 9am-2pm, 1 session. \$0. EYI 265 201

Respirator Usage/Lockout-Tagout Procedures/Permit Confined Space Entry

Explores three OSHA mandated compliance regulations. Learn about the importance of proper respirator selection, usage, care and maintenance procedures, and contents of a written respirator program. Energy isolation procedures, devices, hazards, and control measures will be covered. Confined space topics include: atmospheric hazards and control measures, personnel roles/responsibilities, the permit system and rescue techniques.

Instructor: Bob Chrest, MPA, CET, CST

- ▶ *Approved DE Water Ops. Approved DE WW Ops-I. MDE Approved #2220-00-12, 4. ALL. Approved DE onsite lic. C, E, F. PADEP #1930. NJ-07-040643-31. Approved VA WWOPS. 8 hrs, .8 CEUs*
- ▶ 2/17, Wednesday, 8:30am-5pm, 1 session. \$119. EYI 286 201

Train the Trainer Designed for Collateral Duty Safety Personnel

Designed to assist personnel with improving instructional strategies and skills. Facilitates trainees in conducting training programs for their organization. Learn basic OSHA safety training requirements including (1910.1200) hazard communication and (1910.132) personal protective equipment. Course explores instructional techniques/tips for assisting with the adult learning process.

Instructor: Bob Chrest, MPA, CET, CST

- ▶ *Approved DE Water Ops. Approved DE WW Ops-I. MDE Approved #2180-00-08, 3.5, (1.5x) and #2397-02-01, 4, (1.5x). Approved DE onsite lic. A, B, C, D, E, F, H. PADEP #2028. NJ-07-040642-31. Approved VA WWOPS. 7 hrs, .7 CEUs*
- ▶ 2/18, Thursday, 8:30am-4:30pm, 1 session. \$95. EYI 287 201

Onsite Wastewater Treatment and Disposal Systems

Explore how the regulations governing the design, installation and operation of on-site wastewater treatment and disposal systems are used to create policies (existing and proposed) and procedures used by DNREC.

Instructor: Dave Schepens

- ▶ *Approved DE WW Ops-D. Approved DE onsite lic. A, B, C, D, E, F, H. Approved MD well drillers. 3 hrs, .3 CEUs*
- ▶ 2/18, Thursday, 6:30-9:30pm, 1 session. \$49. EYI 540 231

NFPA 70E 2009 Standard for Electrical Safety in the Workplace

Electrical power is a dangerous force that requires proper understanding in the workplace. This course defines the requirements for work practices that workers should use to avoid



injury from a release of electrical energy when performing tasks involving electrical power. Students will discover how to prevent or minimize exposure to all widely recognized electrical hazards as well as to better understand the importance of the relationship between OSHA and NFPA 70E.

Instructor: Sam Allen

- ▶ *Approved DE Water Ops. Approved DE WW Ops-I. MDE Approved #4580-09-07, 7, ALL, NP. Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-0409107-31. 7 hrs, .7 CEUs*
- ▶ 2/19, Friday, 8:30am-4:30pm, 1 session. \$125. EYI 587 201

Electrical Blueprint Reading for Operators

Designed to enhance basic electrical troubleshooting skills by teaching interpretation of electrical blueprints. Learn the meanings of symbols and other information provided on typical electrical drawings.

Instructor: Steve Elder

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #1156-94-12, ALL. Approved MD/DE well drillers. Approved DE onsite lic. C, E. PADEP #691. NJ-07-040663-30. Approved VA WWOPS. 7 hrs, .7 CEUs*
- ▶ 2/24, Wednesday, 8:30am-4:30pm, 1 session. \$125. EYI 225 201

Managing Side Stream Discharges

This course examines the many routine recycle waste streams within a treatment facility, that may increase both flow and loading to the treatment units and may negatively impact their performance efficiency. The course will focus on identification and corrective action plans.

Instructor: Steve Rohm, CET

- ▶ *Approved DE WW Ops-D. Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-040640-20. Approved VA WWOPS. 4 hrs, .4 CEUs*
- ▶ 2/24, Wednesday, 12:30-4:30pm, 1 session. \$65. EYI 505 201

Trenching/Shoring Safety

Discover how to prevent unnecessary deaths by practicing proper safety while digging trenches, one of the most dangerous activities in the construction industry. Depth of the trench, conditions/activities around the job site all contribute to the hazards found on trenching jobs. Class is designed to familiarize anyone who performs trenching operations with the proper methods necessary to keep their job safe and in compliance with OSHA regulations.

Instructor: Dick Eubank

- ▶ *Approved DE Water Ops. Approved DE WW Ops-I. MDE Approved #1879-99-03, 7 (1.5x), ALL; SUPERS ALL, NP. Approved DE onsite lic. A, B, C, D, E, F, H. PADEP #1947. NJ-07-040671-31. Approved VA WWOPS. 7 hrs, .7CEUs*
- ▶ 2/25, Thursday, 8:30am-4:30pm, 1 session. \$119. EYI 208 201

Pumps: Installation, Maintenance & Repair

Hands-on course designed to give students instruction on many different pumps. Discuss assembly, disassembly, common operator errors and motor control operation; textbook included.

Instructor: Tony Stockus

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #1391-96-07, ALL 7.5. Approved MD/DE Well Drillers. Approved DE onsite lic. A, B, C, D, E, F, H. PADEP #433. NJ-07-040653-30. Approved VA WWOPS. 7 hrs, .7 CEUs*
- ▶ 2/26, Friday, 8:30am-4:30pm, 1 session. \$145. EYI 209 201

Pump Hydraulics

Pump hydraulics is vital to anyone who must operate, maintain and troubleshoot water and wastewater pumping systems. This class will provide the student a basic understanding of the hydraulic principles related to centrifugal pumps. Subjects covered: hydraulic formulas and volumetric calculations, the properties of water at rest and in motion, and the hydraulic forces that exist in a pumping system. Bring a scientific calculator to this class.

Instructor: Tony Stockus

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #4197-08-04, 7 (1.5x) ALL, NP. Approved DE onsite lic. A, B, C, D, E, F, H. PADEP #1932. NJ-07-040686-30. Approved VA WWOPS. 7 hrs, .7 CEUs*
- ▶ 3/1, Monday, 8:30am-4:30pm, 1 session. \$119. EYI 538 201

Self Priming Centrifugal Pumps **New!**

Course covers centrifugal pump hydraulics, system hydraulics,

troubleshooting, and safety. Pump system design will also be discussed.

Instructor: Tim Brown

- ▶ **Approved DE Water Ops. Approved DE onsite lic. B, C, E, F, H. NJ-07-1009709-30. 7 hrs, .7 CEUs**
- ▶ 3/3, Wednesday, 8:30am-4:30pm, 1 session. \$119. EYI 582 201

Replacement Onsite Systems

Course examines siting and permitting differences between “replacement” and “new construction” onsite systems. Reviews and re-enforces the policies used in determining required isolation distances for system placement as well as use of innovative/ alternative systems as replacements in difficult areas.

Instructor: Jim Cassidy

- ▶ **Approved DE WW Ops-D. Approved DE onsite lic. A, B, C, D, E, F, H. 4 hrs, .4 CEUs**
- ▶ 3/3, Wednesday, 8:30am-12:30pm, 1 session. \$65. EYI 548 201

Evaluating Water System Processes to Eliminate Sanitary Risks **New!**

Water system supervisory and operating staffs need a thorough understanding of their water system processes, including treatment/storage/distribution & system processes. Course focuses on the elimination of sanitary risks in each process to insure the delivery of safe drinking water. Conducting this evaluation will eliminate potential threats to water quality & prepare staff for sanitary survey inspections conducted by MDE regulatory personnel as required by the SDWA.

Instructor: Lenny Gold

- ▶ **Approved DE Water Ops. MDE Approved #4322-08-07. 7 (1.5X) WT ALL; WD; SUPERS WT, WD, P. NJ-07-1009708-10. 7 hrs, .7 CEUs**
- ▶ 3/4, Thursday, 8:30am-4:30pm, 1 session. \$119. EYI 599 201



Valves

Designed to give distribution system operators the basic knowledge necessary to identify and maintain many of the valves used in a water distribution system. Topics covered include different types

of distribution system valves and their uses, proper valve operation methods, basic valve maintenance and troubleshooting and proper installation techniques.

Instructor: Tony Stockus



- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #2188-00-10, ALL (1.5x). Approved DE onsite lic. E. PADEP #689. NJ-07-040638-30. Approved VA WWOPS. 7 hrs, .7 CEUs*

- ▶ 3/5, Friday, 8:30am-4:30pm, 1 session. \$125. EYI 245 201

Geographic Information Systems Using ARC View **New!**

A practical application course covering the use of ARC view in establishing a GIS; includes data collection utilizing GPS, scanned data and assets provided by the state and other agencies; establishment of relational data bases for parcels/water/sanitary sewer/storm sewer/electric utilities. Also covers mapping/analysis/presentation of data.

Instructor: Alan Roth, MS

- ▶ *Approved DE Water Ops. Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-1009702-30. 48 hrs, 4.8 CEUs*

- ▶ 3/5-4/30, Friday, 8:30am-4:30pm, 8 sessions. \$295. EYI 595 201

Utility Rate Setting & Cost Recovery **Free!**

Designed to teach utility managers/clerks/elected officials the basics of sound rate-setting methods. Includes reserve calculations, general overhead allocation, financial forecasting and revenue projection based on customer, facility and budget data.

Instructor: Jean Holloway

- ▶ *Approved DE Water Ops. Approved MDE Approved #4323-08-07, 4, SUPERS; ALL, NP. NJ-07-040621-30. Approved VA WWOPS. 4 hrs, .4 CEUs*

- ▶ 3/9, Tuesday, 8:30am-12:30pm, 1 session. FREE. EYI 249 201

Tips & Tools for 21st Century Water/Wastewater Process Monitoring

This unique monitoring workshop explores alkalinity & REDOX monitoring as a process control. Through a series of superb graphics and computer-based slides, we will learn why using these simple tests can lead to big process control dividends, significant time savings, reduce monitoring/disposal costs and afford real-time-

right-now process data to make on-the-spot operations decisions.

Instructor: Mike Harrington, CET

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #2189-00-10, 7 (1.5x) ALL, P. Approved DE onsite lic. A, B, C, D, E, F, H. PADEP #2029. NJ-07-040624-30. Approved VA WWOPS. 6 hrs, .6 CEUs*
- ▶ 3/10, Wednesday, 8:30am-4:30pm, 1 session. \$125. EYI 250 201

Three Phase AC Power Workshop

Review typical electrical vocabulary and AC power theory.

Discuss common three-phase voltage and transformer configurations, operation of three phase motors. Perform testing and troubleshooting methods on three-phase power and motors; compare single to three-phase power.

Instructor: Sam Allen

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved 4545-09-06, 7 (1.5x), ALL, NP. Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-040689-30. Approved VA WWOPS. 7 hrs, .7 CEUs*
- ▶ 3/12, Friday, 8:30am-4:30pm, 1 session. \$119. EYI 543 201

Management Systems Approach to Improve Water and Wastewater Facility Operations **New!**

Using USEPA's environmental management systems document, students will learn how to design/implement environmental management systems in water/wastewater facilities.

Instructor: Jim Newton, P.E., DEE

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. NJ-07-1009700-30. 7 hrs, .7 CEUs*
- ▶ 3/16, Tuesday, 8:30am-4:30pm, 1 session. \$125. EYI 596 201

Composting Basics

Explore the basics of composting including: materials, blending techniques, regulatory requirements and standards for large and small composters.

Instructor: Steve Rohm, CET

- ▶ *Approved DE WW Ops-I. 4 hrs, .4 CEUs*
- ▶ 3/17, Wednesday, 12:30-4:30pm, 1 session. \$65. EYI 213 201

Submersible Pumps

Teaches submersible pump troubleshooting, control panel troubleshooting, as well as theory and operation of submersible

pumps. Selection and application of pump types will be discussed.

Instructor: Stan Siegfried

- ▶ **Approved DE Water Ops. Approved DE WW Ops-D. Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-040691-30. Approved VA WWOPS. 7 hrs, .7CEUs**
- ▶ 3/19, Friday, 8:30am-4:30pm, 1 session. \$145. EYI 545 201

Chlorination Technology

Developed to train water/wastewater operators in the principles of chlorination. Topics: review of various disinfection technologies and discussion of main types of chlorine application systems.

Instructor: Steve Elder

- ▶ **Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #1094-94-10, ALL, 7 (1.5x), P. Approved for MD/DE well drillers. Approved DE on-site lic. C, E. PADEP #2022. NJ-07-040667-30. 7 hrs, .7 CEUs**
- ▶ 3/24, Wednesday, 8:30am-4:30pm, 1 session. \$125. EYI 226 201

Collection Systems Short Course

Designed to give collection system operators and maintenance personnel the basic knowledge to operate and maintain wastewater collection systems. Topics: safety, lateral connections, major system components, proper use and operation of equipment and tools utilized to maintain a system; customer service and terminology.

Instructor: Dick Eubank

- ▶ **Approved DE WW Ops-I. MDE Approved #4343-08-09, (1.5x) ALL, NP. Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-0908104-30. 14 hrs, 1.4 CEUs**
- ▶ 3/25-3/26, Thursday & Friday, 8:30am-4:30pm, 2 sessions. \$185. EYI 579 201

Fundamentals of Septic Filtration and STEP Systems

Provides an in-depth examination of the types of onsite media filtration treatment utilized. Evaluate the wastewater renovation capabilities of the most commonly used systems; explore details of the filter construction, distribution laterals, STEP systems and basic pump sizing for STEP systems.

Instructor: Steve Rohm, CET

- ▶ **Approved DE WW Ops-D. Approved DE onsite lic. A, B, C, D, E, F, H. 7 hrs, .7 CEUs**
- ▶ 3/31, Wednesday, 8:30am-4:30pm, 1 session. \$119. EYI 284 201

Inspection Onsite WW Systems

Provides students with the knowledge and the necessary protocol for inspecting on-site wastewater treatment systems. It will prepare the student for the Delaware Class H license examination; provide the necessary guidelines for performing an effective and regulatory approved on-site system inspection; familiarize the student with State inspection report completion; and provides the student with important information on inspecting alternative on-site systems.

Instructor: Jim Cassidy

- ▶ *Approved DE WW Ops-D. Approved DE onsite lic. A, B, C, D, E, F, H. 7 hrs, .7 CEUs*
- ▶ 3/31, Wednesday, 8:30am-4:30pm, 1 session. \$159. EYI 533 201

Risers, Baffles and Filters - Installation & Repair

Concentrates on the replacement of inlet/outlet baffles (including retrofitting for filter installation), repair of the internal baffle; riser installation, selection, and installation of effluent filters.

Instructor: Steve Rohm, CET

- ▶ *Approved DE WW Ops-D. Approved DE onsite lic. E, F, H. 4 hrs, .4 CEUs*
- ▶ 4/1, Thursday, 12:30-4:30pm, 1 session. \$65. EYI 508 201

Membranes and Fluoridation Technologies

Provides an in-depth look at reverse osmosis and fluoride.

Topics include applications, evaluation methods for determining performance and safe storage and handling techniques. Course also covers membrane processes/parameters/operation/maintenance techniques.

Instructor: Ed Cope

- ▶ *Approved DE Water Ops. MDE Approved #3236-04-11, ALL, P, PADEP #2032. NJ-07-040650-30. 7 hrs, .7 CEUs*
- ▶ 4/1, Thursday, 8:30am-4:30pm, 1 session. \$115. EYI 504 201

Capital Improvements Planning & Long Term Water & Sewer Capacity **Free!**

Provides an overview of the preparation of: Capital Improvements Plan (CIP), how that plan relates to the sustainability of a water and/or sewer system and the capacity development issues associated with the Safe Drinking Water Act Amendments. The session emphasizes why having a CIP is important (even for a small community), how to start preparing a CIP when a community has

not had one, and the “how to” of building public support for the plan.

Instructor: Jean Holloway

- ▶ *Approved DE WW Ops-I. Approved DE Water Ops. Approved DE Well Drillers. MDE Approved #3139-04-08 SUPERS ALL, NP. NJ-07-040645-30. Approved VA WWOPS. 4 hrs, .4 CEUs*
- ▶ 4/6, Tuesday, 8:30am-12:30pm, 1 session. FREE. EYI 266 201

Soils Based Approach to Siting Wastewater Disposal

Understand how physical properties of soil impact the siting of onsite wastewater disposal in Del. Emphasis on site evaluation process including: how to review/understand reports and application to septic design process. Other topics: preliminary review (feasibility studies), soil investigative reports for community disposal systems, percolation testing.

Instructor: Lisa Wood

- ▶ *Approved DE WW Ops-D. Approved DE onsite lic. A, B, C, D, E, F, H. 4 hrs, .4 CEUs*
- ▶ 4/7, Wednesday, 8:30am-12:30pm, 1 session. \$65. EYI 574 201

Care and Feeding of Septic Systems

Homeowners will explore the design, maintenance and basic troubleshooting of basic systems.

Instructor: Steve Rohm, CET

- ▶ *Approved DE WW Ops-D. Approved DE onsite lic. A, B, C, D, E, F, H. 3.5 hrs, .35 CEUs*
- ▶ 4/7, Wednesday, 6-9:30pm, 1 session. \$65. EYI 583 231

Onsite 101

A look at septic systems from A to Z. Follows the septic system from site evaluation through final inspection. This comprehensive class covers system layout, clearing, excavation, installation techniques, and all required paperwork.

Instructor: Jim Cassidy

- ▶ *Approved DE WW Ops-D. Approved DE onsite lic. A, B, C, D, E, F, H. Approved MD well drillers. 7 hrs, .7 CEUs.*
- ▶ 4/15, Thursday, 8:30am-4:30pm, 1 session. \$119. EYI 547 201

Asset Management Program Basics **Free!**

Discover the basic steps in developing a systematic asset management program for public infrastructure assets and apparatus; includes an overview of the reasons to establish a

program, and its relationship to regulatory requirements and guidance, such as GASB 34.

Instructor: Jean Holloway

- ▶ **Approved DE Water Ops. Approved DE WW Ops-I. MDE Approved #3056-04-05 ALL; SUPERS ALL, NP. NJ-07-040637-30. Approved VA WWOPS. 4 hrs, .4 CEUs**
- ▶ 4/20, Tuesday, 8:30am-12:30pm, 1 session. FREE. EYI 297 201

Electrical Troubleshooting for Operators

Students will learn how to troubleshoot common electrical problems encountered in water and wastewater facilities.

Topics include using schematics and technical drawings to help troubleshoot control circuits, combination starters, control devices, special controls, DC motors, AC motors and lighting.

Instructor: Israel Repolle

- ▶ **Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #2025-99-09, 7 (1.5x) ALL. Approved MD/DE well drillers. Approved DE onsite lic. C, E. PADEP #438. NJ-07-040654-30. Approved VA WWOPS. 7 hrs, .7 CEUs**
- ▶ 4/21, Wednesday, 8:30am-4:30pm, 1 session. \$155. EYI 238 201

Intro to SCADA

Review of typical vocabulary and symbols used in SCADA systems for water and waste water systems. Learn SCADA basic operations and functions, how it improves operational control and monitoring, and common problems faced when using SCADA in facilities.

Instructor: Sam Allen

- ▶ **Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #4436-09-04, 7 (1.5x) ALL, NP. Approved DE onsite lic. C, E. NJ-07-050795-30. 7 hrs, .7 CEUs**
- ▶ 4/23, Friday, 8:30am-4:30pm, 1 session. \$125. EYI 561 201

Innovative & Alternative Onsite Systems

Focus on application and use of technologically advanced onsite systems to save space and enhance ground water protection.

Instructor: Hilary Moore

- ▶ **Approved DE WW Ops-D. Approved DE onsite lic. A, B, C, D, E, F, H. 7 hrs, .7 CEUs**
- ▶ 4/27, Tuesday, 8:30am-4:30pm, 1 session. \$119. EYI 576 201

Troubleshooting Pumps

Designed for operations/maintenance personnel to learn the fundamental techniques of troubleshooting centrifugal pumps. Simple, effective tests for assessment of pump operational efficiencies and life expectancy.

Instructor: Steve Elder

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #190-86-09, ALL, 7.5 (1.5x), NP. Approved MD/DE well drillers. Approved DE onsite lic. E. PADEP #688. NJ-07-040668-30. Approved VA WWOPS. 7.5 hrs, .75 CEUs*
- ▶ 4/28, Wednesday, 8:30am-4:30pm, 1 session. \$125. EYI 230 201

On-site Disposal System Hydraulics

Provides on-site disposal system professionals (designer, installer, operator, inspector) or others (homeowner, soil scientist) a better understanding of the hydraulic principles involved in on-site disposal systems and their impact on system performance. Subjects include: buoyancy, gravity distribution, and pressurized distribution systems.

Instructor: Brian Carbaugh, P.E.

- ▶ *Approved DE WW Ops-D. Approved DE onsite lic. A, B, C, D, E, F, H. Approved MD well drillers. 7 hrs, .7 CEUs*
- ▶ 4/30, Friday, 8:30am-4:30pm, 1 session. \$119. EYI 549 201

Math Review for the Maryland & Virginia Water Exam and Advanced Math for Delaware Operators

Review basic math skills and solve sample problems from the Maryland and Virginia water exams.

Instructor: Jerry Williams

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. Bring a calculator. 7 hrs, .7 CEUs*
- ▶ 5/4, Tuesday, 8:30am-4:30pm, 1 session. \$149. EYI 581 201

Operation & Maintenance of the American Manufacturing "DRIP" Irrigation System

American Mfg. drip irrigation. Receive an overview of systems function and techniques for proper operation, maintenance, and troubleshooting.

Instructor: Eric Valentine

- ▶ *Approved DE WW Ops-D. Approved DE onsite license A, B, C, D, E, F, H. 3 hrs, .3 CEUs*

- ▶ 5/5, Wednesday, 1-4pm, 1 session. \$49. EYI 542 201

Math Review for the Maryland & Virginia Wastewater Exam and Advanced Math for Delaware Operators

Review basic math skills and solve sample problems from the Maryland and Virginia water exams.

Instructor: Jerry Williams

- ▶ *Approved DE WW Ops-D. 7 hrs, .7 CEUs*
- ▶ 5/7, Friday, 8:30am-4:30pm, 1 session. \$149. EYI 584 201

CUPSS Software Training (Check Up Program for Small Systems) **New!** **Free!**

Introduction to the basic principles of Asset Management, incorporating preventive maintenance/planning/financial monitoring/forecasting/asset replacement planning into a comprehensive program for sustaining utilities. Session introduces/demonstrates new EPA-sponsored CUPSS software program that will enable attendees to set up comprehensive program, using the defaults included as a starting point. Hands-on use of the software available for max of 6 utility systems with up to 3 representatives from each system; mock system information provided or attendees may bring their own system information.

Instructor: Jean Holloway

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #4670-09-09, 4, ALL, NP. NJ-07-1009703-30. 4 hrs, .4 CEUs*
- ▶ 5/11, Tuesday, 8:30am-12:30pm, 1 session. FREE. EYI 593 201



Math Review for Water Operators

Review basic math skills, problem-solving techniques and use of calculator for successful completion of the state exam. No text.

Bring calculator, pencil, paper and RDP.

Instructor: Jerry Williams

- ▶ *Approved DE Water Ops. MDE Approved #1166-94-12, ALL, 6. Approved DE Well Drillers. Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-040656-10. 6 hrs, .6 CEUs*
- ▶ 5/11, Tuesday, 8:30am-3:30pm, 1 session. \$89. EYI 243 201

Soils

This basic soils course discusses textures, compaction, water movement and soil pollution. Designed to give installers, haulers and designers a general overview of how soils affect the operation of an on-site system.

Instructor: Lisa Wood

- ▶ *Approved DE WW Ops-I. Approved DE onsite lic. A, B, C, E, F, H. Approved VA WWOPS. 7 hrs, .7 CEUs*
- ▶ 5/12, Wednesday, 8:30am-4:30pm, 1 session. \$119. EYI 294 201

Five Common Sense Practices for Better **New!** Water/Wastewater Operations

A look at common misunderstood key elements to achieve a well-run operation. Explore the two most important measurement parameters an operator can make but often take a back-seat in importance. Understand why their key role can lead to a better process. Investigate the 3 key operational practices often ignored in the chemical feed process. See why/how to verify every chemical delivery; learn key advantages of using the weakest strength of a chemical that is practical.

Instructor: Mike Harrington, CET

- ▶ *Approved DE Water Ops. NJ-07-1009706-30. 7 hrs, .7 CEUs*
- ▶ 5/13, Thursday, 8:30am-4:30pm, 1 session. \$125. EYI 591 201

Fundamental Processes in Wastewater Treatment **New!**

Designed & written specifically for the beginning wastewater operator unfamiliar with all the various treatment processes available. Through a series of superb computer graphics/ slides/ visual demonstrations/interactive presentation, we will: look at the basic wastewater treatment techniques common to all processes; explore the various types of treatment, from lagoon science through sequencing batch reactors; compare/contrast the most common treatment processes/variants; observe the pro's and con's of each treatment technique; learn why one treatment technique may be best for specific applications.

Instructor: Mike Harrington, CET

- ▶ *NJ-07-1009705-20. 7 hrs, .7 CEUs*
- ▶ 5/14, Friday, 8:30am-4:30pm, 1 session. \$125. EYI 594 201

Math Review for Wastewater Operators

Review of basic math skills needed for successful completion of state exam. Flow problems, area, volume and review of problem-

solving techniques and use of calculator. No text. Bring calculator, pencil, paper and Resource Booklet.

Instructor: Jerry Williams

- ▶ *Approved DE WW Ops-D. MDE Approved #1165-94-12, ALL, 6. Approved DE Well Drillers. Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-040660-20. Approved VA WWOPS. 6 hrs, .6 CEUs*
- ▶ 5/18, Tuesday, 8:30am-3:30pm, 1 session. \$89. EYI 217 201

Alternative Energy Sources for Water & Wastewater Facilities **New!**

Students are instructed on the use of alternative energy sources. Topics include: anaerobic digestion, wind power, solar power, future alternative energy sources.

Instructor: Jim Newton, P.E., DEE

- ▶ *Approved DE Water Ops. Approved DE onsite lic. A, B, C, D, E, F, H NJ-07-1009701-30. 7 hrs, .7 CEUs*
- ▶ 5/19, Wednesday, 8:30am-4:30pm, 1 session. \$125. EYI 592 201

Water Supply Hydrology, Sources and Water Conservation

Participants will explore several issues surrounding water sources and conservation, specifically groundwater and surface water sources. Other topics include: options available for the facility during emergency situations, alternative water sources; use and conservation of water and practical application of the information covered.

Instructor: Ed Cope

- ▶ *Approved DE Water Ops. MDE Approved #2391-02-01, 7.5 (1.5x). PADEP #2027. NJ-07-040632-10. 7 hrs, .7 CEUs*
- ▶ 5/20, Thursday, 8:30am-4:30pm, 1 session. \$119. EYI 288 201

Delaware's Hydrogeology and the Rocks and Fossils of the Mid-Atlantic

Provides an overview of the numerous geological formations comprising the state's thick sedimentary sequence. Topics include: plate tectonics and how this relates to geology, common rocks and fossils and prehistoric monsters of the Mid-Atlantic region. Sediment, rock and fossil samples displayed/discussed. Hydrogeological topics including aquifer types, Delaware aquifer systems, yield potential, drawdown, ground-water contamination and sources, principles of groundwater flow, GW recharge and discharge, hydraulic head & salt water intrusion.

Instructor: Blair Venables, P.G.

- ▶ **Approved DE Water Ops. Approved MD/DE well drillers. Approved DE onsite lic. A, B, C, D, E. NJ-07-040635-10. 7 hrs, .7 CEUs**
- ▶ 5/21, Friday, 8:30am-4:30pm, 1 session. \$119. EYI 502 201

Onsite Control Systems

Gain basic knowledge necessary to identify and maintain control systems used on onsite sewage systems. Subjects include: types of control systems and uses, proper installation/operational methods/maintenance/troubleshooting techniques.

Instructor: Sam Allen

- ▶ **Approved DE WW Ops-D. Approved DE onsite lic. A, B, C, D, E, F, H. 7 hrs, .7 CEUs**
- ▶ 5/21, Friday, 8:30am-4:30pm, 1 session. \$125. EYI 567 201

CERTIFICATION-STANTON CAMPUS

Wastewater Operator Certification Review, Level I

Designed as preparation for state licensing exam. This is an entry level course designed for wastewater operators or individuals interested in water quality. Expert instructor utilizes textbook and videos. Text available in bookstore.

Instructor: Glenn Davis, CET

- ▶ **Approved DE WW Ops-D. MDE Approved #1372-96-06, WW 1-6, S; IW 1-5, 7. Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-040608-20. Approved VA WWOPS. 48 hrs, 4.8 CEUs**
- ▶ 1/25-5/10, Monday, 6-9pm, 16 sessions. \$249. EYI 200 531

Wastewater Operator Certification Review, Level II & III

Prepares students at a more advanced level for state exam.

Excellent instructor; text available in bookstore.

Instructor: Art Fagerstrom, P.E.

- ▶ **Approved DE WW Ops-D. MDE Approved #1395-96-07 (1.5x) WW 1-6,S; IW 2-5.. Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-040609-20. Approved VA WWOPS. 48 hrs, 4.8 CEUs**
- ▶ 1/25-5/10, Monday, 6-9pm, 16 sessions. \$249. EYI 201 531

RECERTIFICATION-STANTON CAMPUS

Water Treatment & Chlorine Safety

Examines various water treatment plant processes, chemicals used, and the basic principles of plant operations. In-depth examination of the disinfection process, including the various forms of chlorine utilized in the water treatment field. Topics include: jar testing, chlorine analysis, chemicals used in the treatment process, safe handling of chlorine, and the safety features built into cylinders and feed equipment.

Instructor: Ed Cope

- ▶ *Approved DE Water Ops. MDE Approved #1613-97-09, 7 (1.5x) WT ALL; WD, P. Approved DE onsite lic. C. PADEP #2026. NJ-07-040658-30. 7 hrs, .7 CEUs*
- ▶ 1/28, Thursday, 8:30am-4:30pm, 1 session. \$115. EYI 260 501

21st Century Drinking Water Corrosion Control

Superb visuals and interactive lecture to define potable water corrosion and the benefit of corrosion indexes. Examine water quality issues (pH, temperature, hardness, alkalinity, TDS); learn about effective corrosion control. Integrating issues like disinfection, distribution piping, flushing schedules, coupon studies and electricity grounding can play a major role in corrosion control.

Instructor: Mike Harrington, CET

- ▶ *Approved DE Water Ops. MDE Approved #2720-03-03, 7 (1.5x) WT ALL; WD, P. PADEP #1937. NJ-07-040630-10. Approved VA WWOPS. 7 hrs, .7 CEUs*
- ▶ 2/5, Friday, 8:30am-4:30pm, 1 session. \$125. EYI 274 501

Chasing The Thermal Demons

Be prepared to take a 21st century viewpoint about how temperature affects your water/wastewater process. This class will change your perspective on the role of temperature! Students will review the various water/wastewater processes; discuss the net effect temperature has on the plant; look at the six most common apparatuses used to measure temperature; compare/contrast this apparatuses to find the right measurement tool. Explore common calibration protocol demonstrating the typical 0° C DI ice and 100° C DI boiling water calibration process; learn how important the NIST

traceable reference is to accurate temperature measurements; find out why proper documentation is key to meeting most regulatory requirements.

Instructor: Mike Harrington, CET

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #3814-06-06, ALL, P. NJ-07-100602-30. 7 hrs, .7 CEUs*
- ▶ 2/24, Wednesday, 8:30am-4:30pm, 1 session. \$119. EYI 557 501

True Confessions of a Water/Wastewater Operator

Using superb interactive graphics and vibrant animated presentation, the instructor will explore the most common chemical dosing mistakes, i.e., “all treatment chemical strengths never change”, chemical feed pump outputs never vary, simply “set-it & forget it”, or “what do I need to monitor in my water”? Lift the veil related to chemical feed; learn why chemical strength, pump calibration, product verification, and residual measurements are so important for process management and resource conservation.

Instructor: Mike Harrington, CET

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #3382-05-03, ALL; SUPERS ALL, P. NJ-07-100601-30. 7 hrs, .7 CEUs*
- ▶ 2/25, Thursday, 8:30am-4:30pm, 1 session. \$125. EYI 558 501

Surface Water Treatment

Covers concepts, treatment components, process control, and troubleshooting for the major components of a typical surface water treatment plant. Details of coagulation, flocculation, sedimentation, and filtration, including the “optimization goals” of each process. Instruction and practice in solving typical operational and mathematical problems included. Participants should bring a calculator.

Instructor: Ed Cope

- ▶ *Approved DE Water Ops. Approved DE WW Ops-I. MDE Approved #3640-06-01, 7 (1.5x) WT ALL, P. Approved DE onsite lic. A, B, C, D, E, F, H. PADEP #1933. NJ-07-040693-10. 7 hrs, .7 CEUs*
- ▶ 3/18, Thursday, 8:30am-4:30pm, 1 session. \$115. EYI 550 501

Basic Instrumentation & Process Control

Focuses on the practical application of process control field instruments in water and wastewater treatment plants. Designed to give plant operators and maintenance personnel a feel for what the measurement means in practical terms. Reasons for making

the measurement are emphasized and the value of the instrument in process operation is reviewed. Both water and wastewater treatment plants are discussed. The primary field measurements include flow, mass, pressure, temperature, level and water quality. Water quality includes pH, ORP, conductivity, chlorine, turbidity, particle counters, streaming current potential and dissolved oxygen. Instructor: Wayne Biro

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE #3625-05-12, 7.0 (1.5) ALL, P. Approved DE onsite lic. A, B, C, D, E, F, H. PADEP #1290. NJ-07-040674-30. Approved VA WWOPS. Approved VA WWOPS. 7 hrs, .7 CEUs*
- ▶ 4/14, Wednesday, 8:30am-4:30pm, 1 session. \$119. EYI 525 501

CERTIFICATION-TERRY CAMPUS

Wastewater Operator Certification Review Level IV

Prepares operators for new Level IV state exam. Topics: management, budgeting, advanced wastewater to include odor control and industrial wastewater.

Instructor: Brian Carbaugh, P.E.

- ▶ *Approved DE WW Ops-D. MDE Approved #1374-96-06 WW ALL; IW ALL. . Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-040610-20. Approved VA WWOPS. 33 hrs, 3.3 CEUs*
- ▶ 3/4-5/13, Thursday, 6-9pm, 11 sessions. \$305. EYI 235 631

RECERTIFICATION-TERRY CAMPUS

Chlorine Dioxide Disinfection in the Water/Wastewater Process

Examine alternative disinfections, explore chlorine dioxide as a primary disinfection, compare and contrast all forms of chlorine. Discover how chlorine dioxide is generated, used, and reacts in water and wastewaters.

Instructor: Mike Harrington, CET

- ▶ *Approved DE Water Ops. Approved DE WW Ops-D. MDE Approved #4393-09-03 (1.5x) 7, ALL, P. NJ-07-0908103-30. 7 hrs, .7 CEUs*
- ▶ 2/26, Friday, 8:30am-4:30pm, 1 session. \$125. EYI 578 601

Chlorination Disinfection Science

Review the dosing technology for the three basic forms of chlorine disinfection while evaluating the pros and cons of each type of

system. Learn why switching from a gas based chlorination process may not be advantageous or cost effective when real costs are examined. Discover why most current hypochlorite users don't routinely measure product strength. Examine hypochlorite strength and residual testing methods. Find out why on-site generation systems may be appropriate and cost effective. Look at simple ways to minimize disinfection byproducts. Is a tablet based chlorine disinfection system appropriate? Through the use of superb computer visuals, expert commentary, demonstrations, and case histories, the operator will leave with answers to these questions and more.

Instructor: Mike Harrington, CET

- ▶ ***Approved DE Water Ops. Approved DE WW Ops-D. Approved DE on-site lic. C, E, H. PADEP #2023. NJ-07-040679-30. Approved VA WWOPS. 7 hrs, .7 CEUs***
- ▶ 3/11, Thursday, 8:30am-4:30pm, 1 session. \$125. EYI 530 601

The State Wastewater Exam "Hurricane" Review Level I

Part of a two-course series designed for students who would like a structured review prior to the state exam. Both courses are review courses and will reinforce knowledge that the student already possesses. Bring calculator, pencil, paper and RDP. Prerequisite: Water Operator Certification Review, Level I.

Instructor: Joe Mulrooney

- ▶ ***Approved DE WW Ops-D. 7 hrs, .7 CEUs***
- ▶ 6/1, Tuesday, 8:30am-4:30pm, 1 session. \$95. EYI 282 601

The State Wastewater Exam "Hurricane" Review Levels II, III and IV

The second part of a two-course series designed for students who would like a structured review prior to the state exam. This course is a review course for Level II, III, and IV operators and will reinforce knowledge that they already possess. Registered students will be required to verify that prerequisite requirements have been met. Bring calculator, pencil, paper and RDP. Prerequisites" Wastewater Operator Certification Review, Level I; Wastewater Operator Certification Review, Level II & III; and The State Wastewater Exam "Hurricane" Review Level I.

Instructor: Joe Mulrooney

- ▶ ***Approved DE WW Ops-D. 7 hrs, .7 CEUs***
- ▶ 6/2, Wednesday, 8:30am-4:30pm, 1 session. \$95. EYI 283 601

ANNOUNCEMENT

Announcement of Change to ETC Tuition Waiver Program

Municipal Grant Continues

Thanks to the efforts of the Delaware League of Local Governments, all Delaware municipal, county and state employees (licensed or unlicensed water operators, licensed or unlicensed wastewater operators, and licensed or unlicensed associated support staff*) may continue to attend job-related ETC non-credit courses FREE of charge, with a "Municipal Grant Waiver."

Attention Licensed Water Operators and Operators in Training employed by small water systems (private and public) in Delaware and the Eastern Shore of Maryland:

Currently, two water operator grants are available through the Environmental Training Center. These grants pay tuition costs for non-credit courses, approved by the licensing state, offered on the Owens Campus. Funding will be distributed to qualifying students through the period of endowment or until funding is exhausted, whichever comes first. For more information, please call (302) 855-5900.

Scholarships

Donor-sponsored scholarships for our associate degree program are still available.

*Associated support staff includes people holding related positions, such as pump mechanics, maintenance personnel, supervisors and administrative staff.

Operator of the Year Awards: May 6, 2010 at 11:00 AM

Honoring Water Operator of the Year, Wastewater Operator of the Year, Onsite Professional of the Year and Environmental Lifetime Achievement Award.

Nominations are being accepted now! Please call 302-855-5900 for nomination information.

REGISTRATION INFO

How do I register for credit courses?

Call 302-855-5901 for enrollment and scholarship information for credit courses at the Jack F. Owens Campus in Georgetown, Delaware.

How do I register for courses held at the Jack F. Owens Campus in Georgetown?

Call 302-855-1617 or fill out the registration form on page 39 to register for certification and recertification courses at the Jack F. Owens Campus in Georgetown, Delaware.

How do I register for courses held at the Terry Campus in Dover?

Call 302-857-1406 to register for certification and recertification courses at the Terry Campus in Dover, Delaware.

How do I register for courses held at the Stanton Campus in Newark?

Call 302-453-3000 to register for certification and recertification courses at the Stanton Campus in Newark, Delaware.

How do I determine if a course is approved for water, wastewater, well or onsite?

A chart that lists each of our course offerings is included on pages 3, 4 and 5. This chart indicates what each course is approved for in the State of Delaware. Check course descriptions for Md., N.J., Pa., Va. licensing approvals, Del. onsite licensee approval, and Del. Wastewater/Water Operator's approval. If you have questions or are unsure of whether a course is for you, please call 302-855-5900 for appropriate information.

Visit www.dtcc.edu/owens/ccp/environmental for more information on enrollment procedures.

REGISTRATION FORM

Date of Birth _____ Social Security # _____

Name (Last, First) _____

Address _____

City/State/ZIP _____

Phone (Day) _____ (Evening) _____

E-mail Address _____

Would you like to receive course information via e-mail? Yes No

Telephone Call 302-855-1617	Four Easy Ways to Register		
Fax Dial 302-858-5456	Course #	Course Title	Cost
In Person <i>Corporate and Community Programs, (Jason Technology Center, Rm. 109)</i>			
Mail <i>Delaware Tech Attn: Registration P.O. Box 610 Georgetown, DE 19947</i>	Total Due		
Method of Payment <input type="checkbox"/> Check payable to Delaware Tech <input type="checkbox"/> Cash (In person only) <input type="checkbox"/> Credit Card (Phone, fax) Charge my: <input type="checkbox"/> Visa <input type="checkbox"/> Discover <input type="checkbox"/> MasterCard Card# _____ Exp. Date _____			
Card Verification Code (Last three digits on back of card) Authorized Signature _____			

How did you find out about us? Course Booklet Postcard News Article

Advertisement Word of Mouth Other: _____

Gender: Female Male

Ethnic Origin: African-American Caucasian
 Native American/Alaskan Asian or Pacific Islander
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