<table>
<thead>
<tr>
<th>Course Name</th>
<th>Date</th>
<th>Fee</th>
<th>NJLW Operators Fee</th>
<th>TCHs</th>
<th>Approval #</th>
</tr>
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<tbody>
<tr>
<td>Alternative Energy for Water and Wastewater Operations</td>
<td>June 2, 2015</td>
<td>$280</td>
<td>$142.50</td>
<td>6</td>
<td>01-011102-30</td>
</tr>
<tr>
<td>Human Error Reduction</td>
<td>June 4, 2015</td>
<td>$285</td>
<td>$140</td>
<td>6</td>
<td>01-020602-31</td>
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<tr>
<td>Microbiology of Activated Sludge</td>
<td>June 9 &amp; 10, 2015</td>
<td>$280</td>
<td>$142.50</td>
<td>6</td>
<td>01-011102-30</td>
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<tr>
<td>Rigging &amp; Hoisting Safety</td>
<td>June 16, 2015</td>
<td>$285</td>
<td>$140</td>
<td>6</td>
<td>01-020602-31</td>
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<tr>
<td>Study &amp; Exam Skills for Licensing &amp; Professional Certification Testing</td>
<td>June 16, 2015</td>
<td>$285</td>
<td>$142.50</td>
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<td>01-011102-30</td>
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<tr>
<td>O &amp; M Issues in Municipal Wastewater Treatment Plants</td>
<td>June 17 &amp; 18, 2015</td>
<td>$280</td>
<td>$140</td>
<td>6</td>
<td>01-020602-31</td>
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**Alternative Energy for Water and Wastewater Operations**

June 2, 2015  
Course code: EQ0401CA15  
Course Coordinator: Lisa Klein, Ph.D./Rutgers University  
Registration fee: $285  
Multi fee: $250  
NJ licensed water operators: $142.50 (T, W or VSWS only)  
6 TCHs for NJ water and wastewater license holders  
NJDEP Approval #01-011102-30  

Developed as an introduction to the rapidly growing field of non-conventional (non-hydrocarbon based) energy sources, this course will present information on the materials and devices used in alternative energy systems, conversion, storage and generation. It will address such questions as:

- What do we mean by conventional energy vs. alternative energy? Sustainable energy vs. clean energy?
- What are photovoltaics and fuel cells?
- What are batteries and super capacitors?
- How can energy be stored once it is generated?
- What other energy sources are out there?

In addition, case studies of real world utility applications right here in New Jersey will be presented.

**Human Error Reduction**

June 4, 2015  
Course code: EP0801CA15  
Course Instructor: Terry Tomsky  
Registration fee: $280  
Multi fee: $250  
NJ licensed water operators: $140 (T, W or VSWS only)  
6 TCHs for NJ licensed water and wastewater holders  
Approval #01-020602-31 (SAFETY CREDITS)

This full-day workshop is designed to help you understand the fundamentals of human performance and behavior necessary to prevent accidents and injuries both at work and at home. This course will teach you how to prevent, detect and correct unsafe conditions and acts that cause human errors or injuries resulting from errors. Topics will include:

- How prevention techniques can reduce the occurrence of accidents and injuries
- The difference between skill, rule and knowledge-based errors
- The relationship between behaviors and performance
- Human error "traps" that influence performance
- The point of "no return" or irretrievable action and how it relates to tasks and behaviors.
This two-day course gives you the opportunity to discuss the workings of your treatment system with one of the experts in the field! The course focuses on practical applications to help you better understand how the activated sludge process works, with bulking and foaming receiving particular attention.

The afternoon of the second day offers a unique hands-on opportunity that will allow you to directly apply the information presented to your work and facility. Using microscopes, you will examine and evaluate samples from your own treatment plant (and those from your classmates’ facilities as well) and leave with a better understanding of methods of troubleshooting and possible process improvements.

Recommended Text: The Manual of the Causes and Control of Activated Sludge Bulking and Foaming, cost is $95; please note on the registration form if you wish to order.

Payment Policy - All students must have prearranged for payment to be admitted to the class.
Cancellation & Substitution Policy - Registrants may withdraw in writing from a class up to (3) three full working days before a course begins and receive a full refund, less any materials fee or as otherwise noted on the course webpage. If the Office of Continuing Professional Education is not notified in writing at least three working days prior to the start of class, registrants may be responsible for the full fee. Substitutions are permitted.

Accommodations for Individuals with Disabilities - If you require special assistance, please notify our office when you register or no less than one week before the course starts. Every effort will be made to accommodate reasonable requests.