

**TJC**  
and ASSOCIATES, Inc.

# The TJCAA Quarterly

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## Message from the President

### Pump Station with a View

### Featured Employee- Mike Cavanagh

#### TJCAA's Business Certifications

- Alameda County Small, Local Emerging Business
- City of Oakland Local Business Enterprise
- California DGS Micro Business (SB (micro))
- Port of Long Beach SBE
- San Diego County Water Authority SBE
- SoCal Network SBE
- CA PUC WBE
- City of Sacramento SBE
- Sacramento Municipal Utilities District (SMUD) SEED Vendor

## Message from the President Gianna Zappettini

The year's end is always a busy time for companies as they wrap up the current year and plan for the upcoming year. Fortunately, 2012 has been another positive year for TJC and Associates, Inc. (TJCAA). It would not have been such a good year for us without our clients, consultants, coworkers and friends. So, instead of "starting over" in 2013, we are looking forward to continued success together with you in the New Year.

### Pump Station with a View



Our featured project for this edition is the Reconstruction of Wastewater Pump Station 12 in Pacific Grove. As a member of a team led by Psomas, TJCAA designed the structural elements of this upgrade, which included replacement of an above-grade emergency generator with a below-grade unit. The design featured a precast vault sited next to the existing vault, and left the existing pumping station in place.

This upgrade was intended to improve reliability and the aesthetics of the pump station, which is in a high-profile location along a multi-use trail that lies between a residential area and

beautiful Monterey Bay. We always enjoy visiting our project sites, but our team of Structural Engineers especially likes this area. We would offer you a more scenic photo of the ocean, but as our spouses will attest, we always seem to be pointing our cameras at these notable structures, instead!

### Featured Employee- Mike Cavanagh



Our Information Technology (IT) Specialist, Mike Cavanagh, joined TJCAA in 2004 to help us with computer automation and IT support. When asked how he got his start in the IT field, he explained that he

"always worked on computers, ever since the days of teletype and punch cards!"

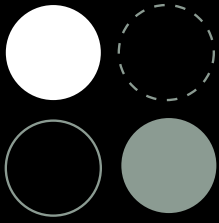
While Mike points out that his IT work is "mostly a desk job," this multi-talented staff member is also on his feet quite a bit for our sister company, Terrapin Testing. (Terrapin Testing—the Lab—just celebrated its 15th anniversary.) When the Lab is in full swing on a testing project, Mike is busy with hands-on tasks, setting up and monitoring tests.

Just recently, the Lab did some destructive testing on a 16-foot-long header. It is interesting, Mike says, to not only measure the effects on the test specimens such as this, but also to watch and listen during a test. Sometimes, he says, you can hear the specimen reaching its failure point long before it is visually evident.

Mike also does some consulting with our Instrumentation, Controls, and Electrical group now and then, providing additional expertise in networking and cell phone technology.

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- Instrumentation and Controls
- Control Systems Programming



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New  
Certifications

TJCAA is a  
SMUD SEED

Got CADD?

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We asked him about his hobbies. "Hobbies?" he said, "I don't have any right now. I have a 3-year-old, and all my spare time goes to her." If he had more time, he says, he would pursue his passion—brewing. Mike became a Master Brewer in 2000. We look forward to doing some testing of our own on the results of his hobby time.

With his brothers, Rick and Terry Cavanagh, Mike grew up in Costa Mesa, California. When we asked what aspect of his childhood he would most like to share with his daughter, he responded, "We had a lot of fun! We built many things, and our parents encouraged us to pursue our interests. As long as she's being safe, I want to encourage her to go after the things that interest her."

Mike's next career move, he says, will be to relocate to Hong Kong, so that he, his wife, and daughter can spend some time with their family there. In the meantime, we will continue to enjoy the way he keeps our computer systems and networks humming, so that we can focus on providing excellent service.

## New Certifications

**LEED AP BD+C.** TJCAA's Instrumentation, Control, and Electrical services leader Paul Giorsetto, P.E. LEED AP BD+C, has completed the requirements for the LEED AP with Specialty designation, demonstrating his proficiency in the field of Green Building Design and Construction. The Green Building Certification Institute explains that the requirements for obtaining its specialty credentials "ensure that credential holders are keeping pace with the rapidly evolving body of knowledge around green building design, construction, and operations." The Institute also points out "Maintaining LEED Professional Credentials is especially relevant in today's economic climate. The practice of green building is in high demand, with more than one million square feet

of construction space certifying to the LEED rating system every day."

**Confined Space Entry.** Structural Engineer Richard Thow, S.E. has recently completed his confined space entry training. As an "Authorized Entrant," he has completed specialized training in atmospheric monitoring; communication; emergency self-rescue and rescue operations; hazard communications; hazard recognition and control; personal protective equipment; first aid and CPR; and signs, symptoms and consequences of exposure.

TJCAA is seeing an increase in projects that include the retrofit or rehabilitation of existing structures. Developing effective designs for these projects requires walk-throughs and inspections. Many of the subject structures, such as tanks, manholes, and vaults, are considered confined spaces. Two of our current projects, for example, involve interior inspections of a digester and oxygen reactors. Both of these structures were designated confined spaces.

With CalOSHA's increased monitoring of confined space entries, owners are requiring that only trained personnel access these spaces. Please contact us if you require the services of a registered Structural Engineer with confined space entry training.

## TJCAA is a SMUD SEED

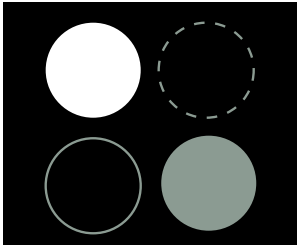
We are also pleased to announce that TJCAA has qualified for the Sacramento Municipal Utilities District SEED (Supplier Education and Economic Development) Certification. See our list of business certifications on page 1.

## Got CADD?

TJCAA's CADD group offers a variety of services that can help you meet your drafting needs. Our experienced staff not only has the ability to provide drafting in AutoCAD and MicroStation, but also can

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2012  
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## Entertainment News

### Did You Know?

### Dates to Note

produce 3D SketchUp renderings that can enhance your ability to share information about your project. Contact us if you would like to temporarily augment your staff with our proficient, dependable CADD professionals.

### Entertainment Review: The Twilight Saga: "Breaking Dawn - Part 2"

The final installment of the Twilight series was bittersweet. We watched as Bella began her new life as a vampire, we met Edward and Bella's daughter and watched as they fought to protect her. The battle and twist at the end had us in shock. It is a definite "must-see" for all Twilight fans. (PG-13, 115)

### Did you know?

The Louis Vuitton Cup is the qualifying race for the America's Cup. The America's Cup, which is a yacht race that dates back to 1851, is known as the

"oldest trophy in sport."

### Dates to Note

- December 21 The Winter Solstice  
(See [tinyurl.com/TJCAAwinter2012](http://tinyurl.com/TJCAAwinter2012))
- January 1 The Rose Bowl  
(Stanford vs. Wisconsin)
- January 21 Presidential Inauguration Ceremony
- February 2 Groundhog Day
- February 3 Superbowl XLVII
- February 10 Chinese New Year
- February 24 The Daytona 500
- March 17 The Formula 1 season opens in Melbourne, Australia
- January 2014 The 2013 California Building Code takes effect (see [BCS.ca.gov](http://BCS.ca.gov))

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