



## *The Certified Inspector of Sediment and Erosion Control Newsletter*

### *Special Interest Articles*

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## **Upcoming CISEC, Inc. Board of Directors Elections**

*By J. Duarte, CISEC #0160*

The Board of Directors is the group that takes responsibility for the day to day management of CISEC, Inc. It's a lot of work!!!! I know because I volunteered to sit on this Board three years ago and while it's been an amazing experience, it's a lot of work. But, the work is gratifying and knowing that we are growing a new organization into a truly successful and sustainable organization is worth the work.

CISEC, Inc. continues to be an industry leader in providing top quality inspector certification for the sediment and sediment control field throughout North America. CISEC, Inc. is now also entrenched widely in Canada with a great inspector certification program geared towards Canadian regulations.

CISEC, Inc. continues to expand into many states other than California as the states continue to look for ways to standardize inspection credentials within their jurisdictions. CISEC, Inc. continues to pursue partnerships with public and private agencies allowing the CISEC, Inc. program to expand across the country and further advance our industry with a stormwater inspector program that they can rely on.

The CISEC, Inc. Board of Directors consists of seven members. Board members meet monthly via conference calls and in person once a year at the StormCon conference. We are now ready to begin our second election process in 2015 and are looking for folks who are interested and willing to sit on the board and participate in our growth and future success.

For our 2015 election, we are looking to replace two Board members. The Board positions that are currently up for election are Jerry Fifield and Paul Taylor, both of whom are founding members of CISEC, Inc. Jerry will continue to sit on the Board as the Past Chair while Paul has decided to allow others the opportunity to serve as a Board member.

Start thinking about how you might want to help the success of the CISEC, Inc. program by running for office. Board members hold office for a term of three years. The following schedule has tentatively been set for the 2015 election.

- Call for Candidates April 2015
- Candidate Statements Due May 2015
- Voting Open June 1-15, 2015
- Voting Closed June 15, 2015
- New Member Announcement July 2015
- Annual Board Meeting August 2015

If you are interested in finding out more about being a board member, take a look at our website ([www.cisecinc.org](http://www.cisecinc.org)) for more information. Find out who your current Board is and give us a call if you have any questions about Board participation.

### **Individual Highlights:**

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## Inspecting Sediment Basins and Traps

By J. S. Fifield, CISEC #0006

Inspectors are responsible for evaluating many different Best Management Practices (BMPs) that allegedly remove sediment from runoff waters. Chances are excellent that few inspectors have problems inspecting commonly found barriers such as silt fences, sand bags and fiber logs. However, inspectors should always inspect sediment basins and/or traps, which are the most effective method methods to remove sediment from runoff waters. Some suggestions include the following:

### Always check the outlet structures.

- If a skimmer exists, is it floating on top of the pond in a correct manner?
- If contained waters are being drained by a perforated riser pipe wrapped with a filter cloth that can become clogged, suggest that consideration be given to replacing the cloth with a rock barrier consisting of ½- to 1.0-inch diameter material?
- If a porous rock barrier creates a pond, does water percolate slowly through the material?
- Are undesirable materials obstructing the structure that prevents the discharge of contained waters?
- Does an emergency overflow system exist?

### Always check the contained runoff waters.

- Are pond waters discharging from the system in a rapid manner?
- Are contained runoff waters being detained at least 48 hours or 24 hours for large and small systems, respectively?
- Is sheen evident on the pond surface?

### Always check where discharges from the system occur.

- Is the outlet structure releasing water at a slow rate?
- Do downstream stabilization methods exist for erosion protection?
- Is sediment being deposited downstream?
- Are there any unusual odors?

### Always check the overall system.

- Do the embankments need to be maintained and/or stabilized?
- Should accumulated soil material be removed?
- Should a different outlet structure be installed?
- Do upstream runoff waters bypass the containment system?

As an inspector, you are the one that is more aware of whether these structures are functioning in a manner that ensures downstream environmental protection exists. Thus, continual inspection of sediment basins and traps should always be a priority on your schedule.



## Are you Meeting this EPA Requirement?

### 4.1.1 Person(s) Responsible for Inspecting Site.

The person(s) inspecting your site may be a person on your staff or a third party you hire to conduct such inspections. You are responsible for ensuring that the person who conducts inspections is a "qualified person."

*Note: A "qualified person" is a person knowledgeable in the principles and practice of erosion and sediment controls and pollution prevention, who possesses the skills to assess conditions at the construction site that could impact stormwater quality, and the skills to assess the effectiveness of any stormwater controls selected and installed to meet the requirements of this permit.*

(From EPA's 2012 CGP)



# Post-Construction Stormwater Inspection Opportunities

By S. Maragakis, CISEC #0674, CPSWQ #0981



Post-construction stormwater management for construction developments is required under EPA's Phase-II Final Rule due to runoff from developed sites potentially impacting receiving waterbodies. Studies have shown that planning and designing for the lessening of pollutants discharged from new and redeveloped sites is an economical approach to achieving stormwater quality.

## Phase-II MS4 Regulatory Framework

On August 7, 1995, EPA issued a final rule amending the NPDES permitting requirements to include Phase-II sources under the stormwater permit program. In addition to construction related stormwater discharges, the rule covers:

- Commercial, retail, light industrial and institutional facilities, and
- Municipal Separate Storm Drain Systems serving less than 100,000 persons

The EPA expanded the rule to include "non-traditional" MS4 permittees, such as departments of transportation (DOTs), universities, and prisons.

## MS4 Permittees and Upstream Dischargers

Both large Phase-I and small Phase-II MS4 permittees often set forth local rules and ordinances on a municipal or countywide basis requiring developers and property owners of the upstream watershed to meet certain criteria as a condition of approving their development. These conditions are generally as follows:

- Public Education and Outreach
- Public Participation/Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Runoff Control
- Post-Construction Runoff Control
- Pollution Prevention/Good Housekeeping

These six minimum measures are mandatory for operators of regulated MS4s who, through local ordinances, pass onto developers and are incorporated into site specific stormwater management programs. In fact, many municipalities require developers to record covenants and agreements inclusive of these measures to insure post construction stormwater plans are maintained through successive property ownership. These measures are expected to result in significant reductions of pollutants discharged into receiving waterbodies.

## Post-Construction Services

Post-construction services a CISEC inspector may perform as part of a Water Quality Management Plan (WQMP) includes:

- Development of a maintenance plan
- Development of an inspection plan
- Training and education of staff
- Quarterly and annual inspections
- Post-rain event inspections

Although a CISEC's essential inspection focus involves temporary BMPs related to sediment and erosion control, the inspection of permanent BMPs should not be too far outside our comfort zone. As to training and educating employees of industries on stormwater pollutants, housekeeping, and material storage, we certainly are well within our professional stormwater realm.

V. Implementation, Maintenance and Inspection Responsibility for BMPs (O&M Plan)			
Responsible Party Information (Local Contact Information)			
Name: Steven A. Maragakis, CISEC, CPSWQ		Title: Project Executive	
Company: S.A. Maragakis		Phone Number: 318.636.9511	
Complete frequency matrix. Expand or increase each cell box to provide the information required.			
Table 6 - Frequency Inspection Matrix			
BMP	Responsible Party	Maintenance Activity	Inspection/Maintenance Frequency
Source Control BMPs (Structural and Non-structural)			
FlotGuard Catch Basin	SA Maragakis	Inspect for defects. Inspect for illegal dumping. Remove debris and sediment. Filter liner, gasket and frame to be inspected. Filter medium pouches to be inspected and replaced if defective.	General: Prior to, during and following rainy season. Specific: Immediately upon notification of a spill with DMA. Post storm for qualifying events
Infiltration Trench Observation Well	SA Maragakis	Confirm trench drainage upon specific time	Annually
Culverts and Concrete Channels	SA Maragakis	Inspect for illegal dumping. Remove debris and sediment.	Annually

Sample Operations and Maintenance Plan





## Renewal and Re-Certification Basics

By C. Evans, Staff

Every year, when it is time for renewal or re-certification, there is a lot of confusion, so here is a basic explanation and time frame.

### Annual (Yearly) Renewal Fee:

First, there is an annual (yearly) renewal fee due and payable by June 30<sup>th</sup> (U.S. Registrants) and September 30<sup>th</sup> (Canadian Registrants) of every year that you are certified. This is due every year without fail so plan on getting this taken care of prior to these dates so you do not go past the due date and have late fees, and possibly reinstatement fees added to your renewal.

### Re-Certification:

The next item that seems to cause confusion is the re-certification date which is the same as your contract expiration date. The easiest way to understand this is to look at your contract which has your certification date; the date you are required to start paying the annual renewal fee and your contract expiration date. The contract expiration date is the latest date to submit your required 36 Continuing Development Hours (CDHs) and be current on all annual (yearly) renewal fees since the first date listed on your contract.

If you do not pay your annual (yearly) renewal fee by the end of the grace period (30 days past the due date), you will be assessed a late fee for that year; currently that is an additional \$25 for U.S. and \$35 for Canadian registrants. The reinstatement fee will be assessed if you have not paid your annual renewal fee; owe the late fee and are still in arrears by August 31<sup>st</sup> for U.S. registrants or by October 31<sup>st</sup> for Canadian registrants. The current reinstatement fee is equal to your annual renewal fee or currently \$65 for U.S and \$90 for Canadian registrants.

You are deactivated after August 31<sup>st</sup> for U.S. Registrants and November 30<sup>th</sup> for Canadian Registrants. You can always "cure" the amount owed by contacting us and making arrangements for when you are paying.

As you see, these fees can quickly mount up and can be avoided by paying your annual (yearly) renewal fee by the due date of June 30<sup>th</sup> (U.S.) or September 30<sup>th</sup> (Canadian) of each and every year you are a registrant with CISEC, Inc.

Do you have questions about Renewal and Re-Certification? If so, contact us at: [cdh\\_renewals@cisecinc.org](mailto:cdh_renewals@cisecinc.org) or 303-948-8249.

## SCHEDULED CISEC PROGRAMS UNTIL AUGUST 2015

### March

4 & 5 Toronto, ON  
11 & 12: Juneau, AK  
18 & 19: Escondido, CA  
18 & 19: Draper, UT  
19 & 20: Calgary, AB  
24 & 25: San Antonio, TX

### April

1 & 2 Phoenix, AZ<sup>a</sup>  
7 & 8: Ventura, CA<sup>a</sup>  
13 & 14 Jonesboro, AR  
13 & 14: Sacramento, CA<sup>a</sup>  
14 & 15: Anaheim, CA  
14 & 15: Edmonton, AB

### May

6 & 7: Tulsa, OK<sup>a</sup>  
12 & 13: Naperville, IL<sup>a</sup>  
14 & 15: Escondido, CA  
20 & 21 San Francisco, CA<sup>a</sup>  
20 & 21: San Antonio, TX

### June

3 & 4: Ohio<sup>a</sup>  
9 & 10: Pittsburgh, PA<sup>a</sup>  
17 & 18: Anaheim, CA  
17 & 18: Sacramento, CA<sup>a</sup>

### July

8 & 9: San Antonio, TX  
15 & 16: Escondido, CA

**Seeking Locations**

### August

2 & 3: Austin, TX  
(StormCon)  
17 & 18: Sacramento, CA<sup>a</sup>  
19 & 20: Anaheim, CA  
**Seeking Locations**

a: Training Location  
not yet confirmed

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### Board of Directors

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We're on the Web!

See us at:

[www.cisecinc.org](http://www.cisecinc.org)