



# THE CONNCRETE TIMES

The Connecticut Concrete Promotion Council (CCPC) of the Connecticut Ready Mixed Concrete Association  
912 Silas Deane Hwy., Wethersfield, CT 06109 | <http://ctconstruction.org> | 860. 529. 6855 | fax: 860. 563. 0616

DIRECTOR'S MESSAGE

The CONNCRETE TIMES has enjoyed overwhelming approval in the concrete community and with design and regulatory bodies within CT. We are celebrating our one year anniversary with an expanded edition of the TIMES and the introduction of advertising.



Our goals continue with up-to-date news affecting concrete and providing readers access to the national concrete education and local legislative activities. Our recent story on the "Q" Bridge was reproduced in NRMCA's INFOCUS July/August 2010 newsletter which has a national subscription. Also our education links from NRMCA allowed the Metropolitan District Commissions to subscribe to a webcast featuring pervious concrete. It proved to be an excellent MDC learning tool and enhanced the pervious concrete workshop that was held by the CCPC for the MDC. The workshop is the feature story for our CONNCRETE TIMES Spring edition.

I'm aware that our economy's recovery has been slow, but we are beginning to see "green shoots" that hopefully will be a sign of a construction turnaround.

CCPC's annual picnic is in August and will feature a miniature golf tournament, great food, and a special sports ticket raffle. All our friends are invited.

All the best,

*Jim Langlois*

## ON THE CONCRETE SCENE

### MDC HOSTS PERVIOUS CONCRETE WORKSHOP

by Jim Langlois,  
Executive Director, CCPC

On June 4th, the Connecticut Concrete Promotion Council presented a pervious workshop at the Metropolitan District Commission (MDC) Training Center on Maxim Road in Hartford, CT.

Those in attendance included MDC engineers, municipal engineers, Fuss and O'Neill, Kleinfelder/SEA, Martinez Couch & Assoc., Beta Group, AECOM, Stearn & Wheeler and Vanasse Hangen Brustlin, Inc.

Doug O'Neill, a NRMCA National Resource Director, gave the featured presentation on pervious concrete, its applications throughout the US, and the benefits of concrete with LEED considerations. Ken Justice, P.E., of the Portland Cement Association/Northeast Cement Shippers, outlined the technical aspect of the program with a



MDC Classroom Workshop



Pervious Concrete Placement at MDC's Maxim Road Facility

PowerPoint overview on certifications, placement, mix designs and denoting when pervious fits the construction profile. Jim Langlois of the Connecticut Concrete Promotion Council discussed Connecticut placements and upcoming projects. A discussion followed on the "green initiative" that will be taking place at the Connecticut

Continued on inside back cover

# CCPC PROFESSIONAL MEMBERS

# FOR THE RECORD



## AT THE CAPITOL: DEP Evaluating Low-Impact Development Principles

*by Matthew Hallisey,  
CCIA Director of Government Relations  
& Legislative Council*

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**L. Suzio Concrete Co. Inc.**  
**Terracon**  
**Tilcon Connecticut**  
**Wheaton Mobile**

The Connecticut Department of Environmental Protection is evaluating Low-Impact Development (LID) principles for incorporation into Stormwater General Permits (SGPs). The agency has retained a consultant to facilitate the evaluation process, which includes a series of meetings involving stakeholders, including CCPC, between now and the end of the year. The goals of the process include establishing LID and pollution prevention, performance goals, and criteria for management practices common to SGP implementation, and identifying how the performance goals and criteria can be most effectively incorporated into SGPs to meet permit limits and conditions. A consensus recommendation will be presented to the agency Commissioner for adoption.

According to the agency, LID-style best management practices (BMPs), such as vegetative filter strips, pocket sand filters, and infiltration systems, have been available for several decades to control stormwater. However, the LID approach to site design is a relatively recent development and represents a significant change in site planning and stormwater management philosophy. LID emphasizes working within the constraints of landscapes to prevent stormwater generation, while traditional stormwater management emphasizes shunting away stormwater and treating it to the extent practicable. For instance, it can lead to removal of 80% of total suspended solids from the first inch of runoff from impervious surfaces at or near the point of discharge.

DEP's evaluation presents a significant opportunity for future use of pervious concrete in construction. By capturing stormwater and allowing it to seep into the ground, porous concrete is instrumental in recharging groundwater, reducing stormwater runoff, and meeting U.S. Environmental Protection Agency stormwater regulations. In fact, the use of pervious concrete is among the BMPs recommended by EPA and other agencies and geotechnical engineers across the country for the management of stormwater runoff on a regional and local basis. It creates more efficient land use by eliminating the need for retention ponds, swales, and other stormwater management devices. In doing so, pervious concrete has the ability to lower overall project costs on a first-cost basis.

## SETTING NEW SITES

### NRMCA-REGIONAL PROMOTION

from Douglas O'Neill, LEED® AP  
National Resource Director

National Ready Mixed Concrete Association  
Phone: (585) 436-8310 /email [doneill@nrmca.org](mailto:doneill@nrmca.org)

### Community Involvement NOW... Can Spell Dividends Later...

I recently read an article about a concrete producer (in another state) trying to obtain a permit for a new plant, and it detailed the uphill battle this producer had to convince the community of the benefits of having a ready mixed plant operating within their township. Now I understand the "not in my backyard" mentality some people have, and I also understand that many of the fears these residents expressed were, in their minds, real and not to be trivialized. Would these heavy concrete mixers cause damage to their roads? What about the air quality for many of the elderly residents? The narrow roadway is also a main school bus route; could that be a safety hazard? All of these concerns have been addressed in other communities across the country by the concrete industry.

This community had never really thought of concrete before, and unfortunately they know next to nothing about it, but their overall sense of the concrete industry is very negative. Not the best scenario when trying to convince the public and their leaders to allow you to erect a new plant. This producer had no public relations program, had no talking points to share with the community leaders about the environmental and sustainable aspects of concrete. They lacked the ability to communicate a positive industry message and they chose not to take advantage of their state or national industry associations because they were NOT members. Part of me wants to say, "It serves them right," but ultimately their failure here reflects on our entire industry. Our ability to effectively communicate concrete's advantages is critical to our future as an industry. Contact your state association or NRMCA and ask about developing a public relations program. Take advantage of our many webinar offerings aimed at educating not only our own industry but outside influencers as well.

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203-269-8265

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860-346-6669

## STRATEGIES FOR SUCCESS

Schedule, registration forms, and information  
available at CCPC office.

### CCPC Annual Picnic

Picnic @ Odetha Campground  
Bozrah, CT  
Aug. 12, 5:00 PM

### CRMCA Annual Golf Outing

Outing @ Woodbridge Country  
Club Woodbridge, CT  
September 28, 2010

### ACI Field Tech Certification

CCIA Offices and Tilcon  
Sept. 9, 11, 16, 18, 2010

### ACI Field Tech Certification

Certification @ CCIA Offices  
and Tilcon  
Oct. 28,30; Nov. 4 and 6

### World of Concrete

Meeting at Las Vegas Convention  
Center, Las Vegas, NV  
Jan. 17-21, 2011

# CONCRETE SUSTAINABILITY HUB



**Mission:**  
*To support research and educational programs that will increase professionalism and quality in the concrete industry*

**JULIE GARBINI**  
EXECUTIVE  
DIRECTOR

**RMC RESEARCH  
& EDUCATION  
FOUNDATION**

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Silver Spring, MD  
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1-888-846-7622  
Fax: 301-565-8200

## The RMC Research & Education Foundation is co-funding with the Portland Cement Association a Concrete Sustainability Hub at the Massachusetts Institute of Technology

### What is the Concrete Sustainability Hub and why MIT?

The Concrete Sustainability Hub (CSH) is a research center at the Massachusetts Institute of Technology (MIT) that is being established through a joint venture between the RMC Research & Education Foundation and the Portland Cement Association (PCA). Each organization is committing \$1 million a year for the next five years with the goal of accelerating emerging breakthroughs in concrete science and engineering and transferring that science into practice. As the call for an increased emphasis on environmental issues grows louder, the concrete and cement industries are taking this opportunity to be proactive in establishing a CSH that will focus on quantifying and enhancing the sustainable nature of concrete.

The CSH is being established at MIT because it is the leading engineering school in the United States and its reputation in the areas of research and economics is second to none. Researchers from MIT's School of Engineering, School of Architecture and Planning, and the Sloan School of Management will all participate in the CSH's research activities. The CSH's research will initially be organized around three focus areas: concrete materials science, building technology and the econometrics of sustainable development. The first two projects, "Green Concrete Science," and "The Edge of Concrete: A Life-Cycle Investigation of Concrete and Concrete Structures" are already underway.

Foundation Executive Director Julie Garbini and PCA President and CEO Brian McCarthy are two of the four members of the CSH's Research Advisory Committee (RAC) that will also include two representatives from MIT. The RAC will utilize the expertise of the RMC Research & Education Foundation's Advisory Council and other industry experts to guide the CSH agenda and research deliverables.

### What will this mean for the Foundation?

We expect the work accomplished at MIT will provide extremely high quality deliverables and that work will be closely monitored and distributed as it becomes available. In light of the significant investment, funding for new projects over the next five years may be limited. However, the Foundation will aggressively work to rebuild the endowment with a revitalized fundraising campaign. The relationships with MIT and the other universities with whom we already collaborate are also expected to leverage outside dollars for industry research.

### Will other Foundation programs be affected?

No. All of the projects that the Foundation has committed to funding already will not be affected. We will continue to roll out those projects as they are completed and we will continue to market and distribute all of our deliverables, many of which are available now from the Foundation's website.

[www.rmc-foundation.org](http://www.rmc-foundation.org)

# CCPC KUDOS

## PERVIOUS CERTIFICATION LIST

### **Manafort Brothers**

Plainville, CT  
Neil Savluk and John  
Soboleski  
860-229-4853

### **Jolley Concrete**

Danielson, CT  
John Searles  
860-779-3980

### **Pontello Construction Management LLC**

Danbury, CT  
Basia Pontello  
203-733-5739

### **L. Suzio Concrete**

Meriden, CT  
Mark Giancola  
203 237-8421

### **Purinton Builders Inc.**

East Granby, CT  
Michael Purinton and  
Dennis Purinton  
860-653-6664

### **McCarthy Concrete Inc.**

South Windsor, CT  
Dan McCarthy  
860-290-8817

### **Sika Corp**

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Michael Barry  
860-398-3562

### **Tilcon Connecticut Inc.**

New Britain, CT  
Don Penepent  
860-612-3162

### **Corsetti Construction Inc.**

Middletown, CT  
Andy Corsetti  
203-530-2583

### **Connecticut Bomanite Systems Inc.**

Bethel, CT  
Tom Lockwood  
203-778-5719

### **Tri-Rail Construction**

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Ralph Marinelli  
631-789-3401

### **Concrete Crafters of CT, Inc.**

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Leon Burch  
203-410-3407

### **Hop River Concrete Inc.**

Columbia, CT  
Ed Larrow  
860-228-8881

### **Pelletier Builders Inc.**

Coventry CT  
Eric Kemp and Paul Lussier  
860-742-5317

### **Today's Concrete LLC**

Norwich, CT  
Keith Mackin and Rick Snide  
860-822-9999

### **Hop River Construction**

Columbia, CT  
Michael Jacques  
860-228-8881

### **Builders Concrete**

Willimantic, CT  
Peter Haddad  
860-450-6756

### **IMTL**

Plainville, CT  
Shawn Roberts  
860-747-1000

### **McCarthy Concrete**

South Windsor, CT  
Ben McCarthy, Tony  
McCarthy, and Don Terrenzi  
860 290-8817

### **Haks Material Testing**

Bridgeport, CT  
Christopher Genduso and  
Neil Russo  
203-362-1552

### **Pioneer Valley Concrete Service**

Chicopee, MA  
Mike Censebella, Alex Falvo,  
Wayne Alderman and Andrey  
Tergonov  
413-534-8171

### **Modern Concrete**

East Providence, RI  
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401-434-4005

### **Concrete Express Inc.**

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### **Concrete Connections Inc.**

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203-483-6360

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## NRMCA RELEASES SUSTAINABILITY INITIATIVES DOCUMENT

by the National Ready Mixed Concrete Association



The ready mixed concrete industry is dedicated to upholding the principles of sustainable development—development that meets the needs of the present without compromising the ability of future generations to meet their own needs—by attempting to balance social,

economic and environmental impacts. Sustainability has become part of the fabric of society. Corporations in every industry are shaped by their customers' desire to be more environmentally responsible. Companies that adopt sustainable practices will become preferred suppliers. While environmental performance, including greenhouse gas emissions, will be increasingly monitored and regulated, voluntary initiatives such as the one presented here will help achieve ambitious sustainability goals.

Construction industry stakeholders—including project owners, designers, contractors and product manufacturers—are especially affected by the challenges of sustainable development since the built environment has significant environmental, social and economic impact on our lives and planet. On one hand, our built environment provides us with places to live and work and contributes to a robust economy and societal needs. On the other, operating our buildings, houses and infrastructure consumes enormous amounts of energy and valuable resources. Building products require natural

resources and energy to produce and transport. New construction projects can burden natural habitats.

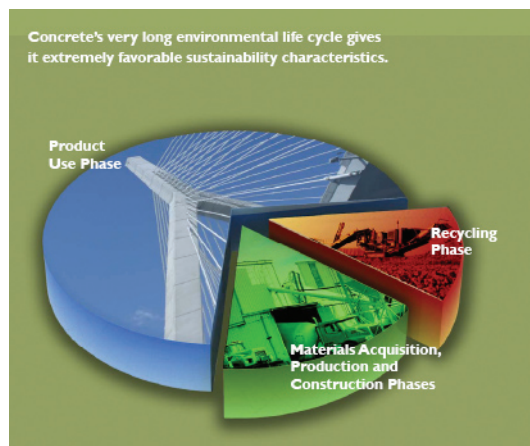
The concrete industry is uniquely positioned to meet the challenges of sustainable development. Its products help improve the overall environmental footprint of the built environment. For example, high performance concrete wall and floor systems help improve energy performance of buildings. Light colored pavements reduce urban heat islands and minimize lighting requirements. Pervious concrete pavements reduce and treat stormwater runoff. Concrete is extremely durable and provides for long service life. And the industry continues to develop new sustainable products through research and development.

The concrete industry is dedicated to continuous improvement through product and process improvements. The industry continues to increase the use of recycled materials, including industrial by-products, thus conserving valuable natural resources and reducing process energy required to manufacture concrete. The industry continues to explore new ways to further reduce the carbon footprint through the development of innovative cements and concrete mixtures. Concrete companies also strive to improve manufacturing processes, including the use of alternative energy sources, to minimize the energy of production and the associated greenhouse gas emissions. Finally, the industry continues to enhance transportation efficiency and delivery methods to

reduce the environmental impact of the construction process.

The vision of the ready mixed concrete industry is to transform the built environment by improving the way concrete is manufactured and used in order to achieve an optimum balance among environmental, social and economic conditions. The NRMCA Sustainability Initiatives document outlines goals for reducing the overall environmental footprint of

concrete construction and provides strategies for



achieving these goals. The key goals are to reduce the environmental impact during the material acquisition, production, construction, and use phases of concrete construction, and to increase the recycled content in concrete construction. NRMCA has set the following Key Performance Indicators (measured on a per unit of production basis and compared to 2007 levels):

- Embodied energy: 20% reduction by 2020; 30% reduction by 2030
- Carbon footprint: 20% reduction by 2020; 30% reduction by 2030
- Potable water: 10% reduction by 2020; 20% reduction by 2030
- Waste: 30% reduction by 2020; 50% reduction by 2030
- Recycled content: 200% increase by 2020; 400% increase by 2030.

The concrete industry has been a key contributor in building this nation's infrastructure and will continue to enhance the sustainability of our built environment for generations to come. For more information, including the strategies for achieving these goals, please visit <http://www.nrmca.org/sustainability>.



Pervious Concrete Model Demo

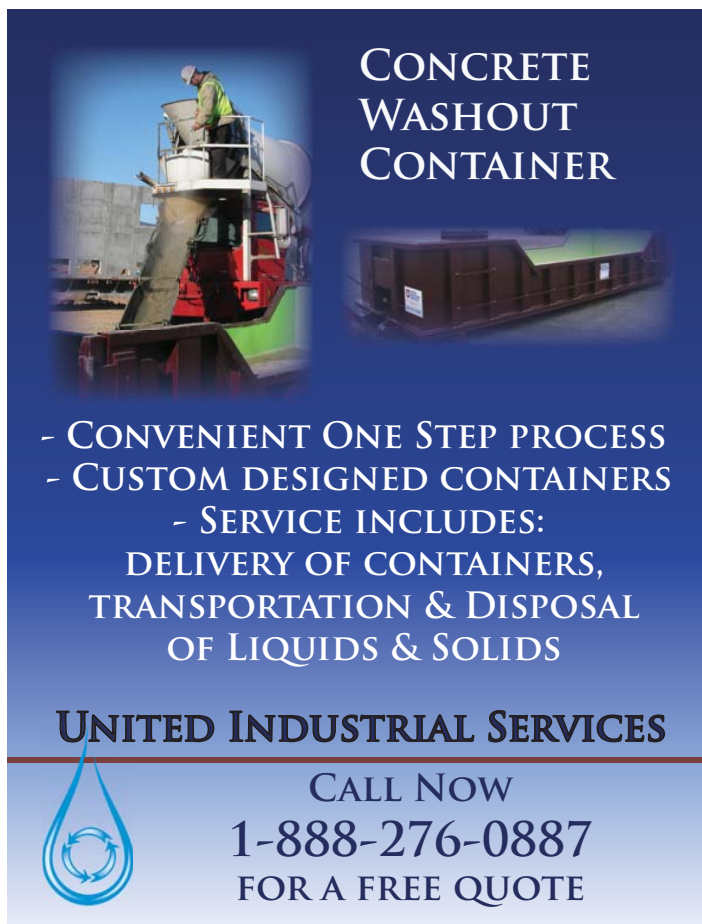
State Capitol in Hartford, which will be utilizing pervious concrete and other porous materials. The project is currently in the bid stage and will be constructed in

August, 2010.

Upon completion of the classroom workshop segment, the attendees viewed a working scale model of a pervious concrete placement. The 3' by 3' square of pervious concrete provided a demonstration of the porosity of pervious by allowing water to circulate through the model. Purinton Builders provided the pervious concrete model. Attendees also were able to observe a five (5) cubic yard pervious concrete placement process and direct questions to Ken Justice or any CCPC members in attendance.

Professionals attending the workshop asked many interesting questions regarding pervious applications, including strength testing, materials, and when pervious is suitable. The MDC has indicated that it plans to use pervious in its projects when appropriate and many of the private engineering firms have moved forward with design requests. This type of workshop proved to be very beneficial and the co-operative effort of CCPC/NRMCA/PCA enhanced the learning experience. The CCPC looks forward to future presentations.

The CCPC would like to thank Bryan Moreau and Lura Enterprises, Inc., for the use of their Lightning Screed equipment utilized in the placement. Tilcon Connecticut provided the pervious concrete for the demonstration.



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# *Your* **CONCRETE TIMES CONNECTION**

## **IN THIS ISSUE**

**EXPANDED ISSUE!**

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Pervious Certification List

NRMCA Sustainability Initiatives

Strategies for Success

***Credit: Newsletter Concept and Design:  
Ann Beaudin and Andrea Beaudin***

## **WELCOME NEW MEMBERS**



*To become a member of a growing  
professional trade organization,  
contact Jim Langlois at CCPC*

**860.529.6855**