PCAV
1108 E. Main Street
Suite 1200
Richmond, VA 23219
804-377-2144
www.gopcav.com

2016 Calendar Events:

December 1, 2016 - Dialogue with VDOT Hampton Roads District - Marriott Newport News

December 8, 2016 - Dialogue with VDOT Northern Virginia District - Hyatt Regency Fairfax

2017 Calendar Events:

February 22, 2017 - PCAV/VDOT Joint Meeting - Virginia War Memorial

April 25-26 2017 - PCAV/Annual Meeting - Charlottesville Omni.

September 20, 2017 - PCAV/VDOT Joint Meeting - Virginia War Memorial

Inside this issue:

Managing Consultant's Report	1
2016 PCAV Promotional Corner	2
2016 District Dialogues	2
NPCA Scholarship Programs	2
September 21, 2106 Joint PCAV/ VDOT Meeting	3-4
Project Spotlight - Concrete P & P	5
Prescription vs Performance Specifications - Ed Pennypacker - JEPCO SALES	6
PCAV Thanks the SCPA	7
2017 PCAV Event Calendar	8
PCAV Member Listing	9
PCAV Mission Statement & Board	10

PCAV
the precast concrete association of virginia

Hard Facts
Newsletter

Precast Concrete Association of Virginia **Fall 2016**

PCAV's Managing Consultant Report



Mark Singer
PCAV Managing Consultant

Association leaders have long recognized three important ways to measure an association's success. Did it serve the needs of the members? Were its actions consistent with its mission? It is fiscally sound and financially strong going forward? By these tenets, and many other criteria, PCAV is wrapping up another successful year!

The association not only continued to foster and develop its ongoing dialogue with VDOT, it created new opportunities to work together on both technical and training issues. From pipe selection criteria to joint and gasket specifications, to plant certification schools, the PCAV has been thoroughly engaged with VDOT in 2016. This mutually beneficial working relationship is the envy of other states, and the value our members receive from these joint discussions cannot be overstated.

The PCAV continued its industry efforts on a number of other fronts as well. Once again this year we sought, and successfully obtained, a 2016 "National Concrete Pipe Week" proclamation from Virginia's Governor, beginning on August 14th. Plans are also underway to expand our members' interaction with state legislators by scheduling a day to visit the state capitol during the upcoming 2017 session, and then follow up with invitations to visit plants when legislators return home. Our newly revived efforts with the Southeast Cement Promotion Association offers a promising opportunity for financial support with PCAV's marketing efforts across the state which include participation in a broad range of industry trade shows and events including our newly-added sponsorship of VDOT *District Dialogues* around the state.

Finally, after 15 years of service as your Executive Director I have notified the board that I am moving into the retirement phase of my life. I am so very proud of the many accomplishments we have achieved together, and the many wonderful friendships I have had the privilege to make over these years of service. It has been a pleasure to work with all of you and I wish each of you all the best going forward.

Happily, I leave the association in strong, skilled and steady hands. President Matthew Smith (Smith-Midland) will do an outstanding job guiding the membership in addressing the many new and exciting challenges and opportunities that will evolve in the coming year. And the PCAV Board of Directors has selected my associate, Vanessa Patterson, as your new top staff person. Vanessa is extremely competent and brings a fresh set of skills and ideas to the association. I am confident the PCAV will benefit from her leadership and commitment as well.

I hope our paths will cross again down the road. Until then be well, be kind, and be humble.

PCAV's Promotional Corner - 2016

2016 saw an increase in the PCAV presence around Virginia promoting the precast industry. Armed with a newly designed exhibitor booth, various PCAV member company representatives took shifts during exhibitor hours meeting industry leaders from around the state.

2016 PCAV Promotional Activities

March 3-4, 2016 - Virginia Concrete Conference - Richmond, Virginia - Conference Sponsor and Exhibitor Booth

April 6-8, 2016 - VTCA Spring Transportation Construction Conference - Hampton, Virginia - Thursday April 7th Lunch Sponsor

May 11-13, 2016 - APWA Conference and Equipment Show - Roanoke, Virginia - Exhibitor Booth.

PCAV to Sponsor Two Remaining 2016 VTCA/VDOT District Dialogues

The PCAV is excited to announce support of the transportation construction industry by sponsoring the final two VDOT dialogues for 2016 in the Hampton Roads and Northern Virginia Districts. These meetings are unique opportunities to meet VDOT district staff and discuss the important issues that affect your companies as you do business in each of the various geographical areas around the state of Virginia. The days begin with presentations by the District's senior professionals who will discuss contracting, construction, maintenance, operations, consultant engineering and the CEI program. An interactive panel discussion on project and program delivery is next followed by an open discussion on today's most important industry issues. The day ends with lunch round tables with VDOT professionals hosting topic tables. You choose your topic and sit with those experts. Please consider registering for one of the following sessions:

Thursday December 1, 2016 - Dialogue with the Hampton Roads District - 8:00 a.m. - 1:00 p.m. - Marriott Newport News City Center.

Thursday December 8, 2016 - Dialogue with the Northern Virginia District - 8:00 a.m. - 1:00 p.m. - Hyatt Regency Fairfax.

NPCA Scholarship Foundation



The National Precast Concrete Association (NPCA) has two scholarship programs that may be of interest to PCAV members. They offer scholarships to undergraduate and graduate students. For information on this program please use the following link: http://precast.org/foundation/scholarships/

The NPCA Scholarship Foundation financial assistance to teams participating in the ASCE Concrete Canoe Competition. For further information, use this link: http://precast.org/wp-content/uploads/2016/10/NPCAF-Concrete-Canoe-Scholarship-App-2017.pdf

NPCA

PCAV/VDOT Joint Meeting September 21, 2016

PCAV and VDOT met September 21, 2016 in Freedom Hall at the Virginia War Memorial in Richmond. The day began with a light breakfast with time for networking before the start of committee meetings. Mid-morning our VDOT partners joined the meeting to discuss the following topics:

- 2016 VDOT Road and Bridge Specifications
- Precast Bid Items
- Approved List for Pipe Joints
- Approved List for Patching Materials
- AASHTO Specifications for steel reinforcement changes

The joint meeting adjourned for lunch but not before the PCAV and VDOT joined together to recognize and thank Executive Director Mark Singer for his 15 years of leadership of the PCAV. The PCAV member companies joined together to present Mark with some gifts to help him enjoy his new, hopefully less busy, life! VDOT and PCAV enjoyed lunch before the PCAV Board of Directors convened for the afternoon meeting. Much of the board meeting was spent planning 2017 promotions, meetings, and budget. Be sure to stay tuned for details of all the association's upcoming activities!



PCAV
the precast concrete association of virginia

VDOT
Virginia Department of Transportation



PCAV
the precast concrete association of virginia

SINCERE APPRECIATION FOR THE PCAV'S
SEPTEMBER 21, 2016 JOINT MEETING SPONSORS

BREAKFAST SPONSORS:

CONAC
Concrete Product Solutions

JEPCO SALES

NPCC
NANSEMOND PRE-CAST CONCRETE CO., INC.

NEI
NEENAH ENTERPRISES INC.

LUNCH SPONSORS:

ej

Martin Marietta

US FOUNDRY
AN EAGLE MANUFACTURING COMPANY

Oldcastle Precast®
Delivering Reliability

SMITH-MIDLAND®
EXCELLENCE IN PRECAST CONCRETE

DESSERT SPONSORS:

PATTERSON
Your Single Source Supplier

WBS PRECAST

Essroc
Italcementi Group

PERMATILE
CONCRETE PRODUCTS COMPANY

ENGINEERED WIRE PRODUCTS

Buried Precast Concrete Utility Vault applications include:

- Electrical
- Telephone
- Communications
- Steam Manholes
- Other utilities



20 FT x 10 FT x 12 FT Electric Vault installation

Project Spotlight

Appalachian Power Electrical Network Upgrade Roanoke, VA

As part of a $19 million upgrade of the aging underground electrical network in downtown Roanoke, VA, Carolina Conduit Systems buried a 20 feet by 10 feet by 12 feet high precast concrete electrical vault beneath First Street, within view of Appalachian Power's office at the corner of First Street and Franklin Road. The new vault, fabricated at CP&P's Salem facility, is one component of Appalachian Power's network of over 270 buried manholes and over 50 transformer vaults in its downtown Roanoke system.

Concerns about safety and reliability are driving many power companies across the country to upgrade their networks, many of which installed several decades ago. Appalachian Power's downtown Roanoke network was originally built in the 1950s and has experienced its own incidents over the years including a fire, May 1999, reported to be "shooting as wide as the street and a story high." By installing precast concrete vaults, Appalachia Power is providing the most durable infrastructure available for downtown Roanoke.

Concrete Pipe & Precast manufactures precast concrete vaults in an array of standard and custom sizes from less than 2 feet x 2 feet inside, up to the 20 feet x 10 feet fabricated for Appalachia Power, and even larger. Shipping and delivery restrictions are essentially the only limitations to size and availability.

www.ConcretePandP.com

1-800-999-CAST (2278)

UID-20160902HJG01

CP&P
CONCRETE PIPE & PRECAST, LLC

Prescription Specification or Performance Specification
by Ed Pennypacker, JEPCO Sales

There is a running battle in the precast industry. On one side are the defenders of status quo. For example, ASTM C-478 has a prescription that calls for steel reinforcement in a precast manhole. For years, specifiers have simply had to write a line, in the invitation to bid, that calls for manholes built according to ASTM C-478, and they get steel reinforced manholes.

It has worked. Inspectors are required to look for steel in the manholes and when they find it, they are satisfied. Manholes have been performing just fine over the years.

Amish farmers have been farming in the same way since 1843. For religious reasons, they reject new technology. They are good farmers; their method works on small family farms.

The downside of following prescriptions is that the industry gets frozen in time, like the Amish. With manholes, technology shows that synthetic reinforcement works just as well as steel, and in many cases, even better. If the buyer relies on ASTM C-478, he cannot take advantage of new technology with better performance. It is just too darn easy to keep writing a prescriptive specification.

Virginia DOT says they are not satisfied with the performance of pipes that have been installed in various locations. "It is the joint", we are told. Their solution to the problem is to require all of the manufacturers to perform testing to prove that their pipe, and the gaskets they use with those pipes, can pass a test where water is introduced at pressure.

Clearly, they are looking for a performance of water tightness.

Loudon County Department of Health had a problem. Septic tanks, some of precast concrete, and some made with plastic or fiberglass, were failing. Collapses, leaks, cracks, even tanks floating out of the ground were seen.

In 2009, Loudon County, in Virginia, adopted a performance specification where every septic tank and associated vessel is tested before backfill, at the home owner's site. A Loudon County inspector witnesses the test. Since enforcing this test regimen, the number of failing precast tanks went to zero. Leakers for plastic and fiberglass have been greatly reduced, almost eliminated.

I predict that all of the pipes will pass the plant test with flying colors. The problem is not the pipe, nor the gasket. It is improper installation that is the problem. Find a way to inspect the installed pipes, enforce a performance standard, flunk the leakers, and the problem will go away.

Loudon County - Conclusions and Limitations - Septic Tanks

Leaking tanks bypass the treatment system and discharge effluent directly to the ground, or they take in groundwater, increasing stress on the treatment/absorption system; both are threats to groundwater.

While tanks installed post ordinance are newer installations and the number of installations have dropped post 2008, the ordinance appears to be reducing the number of concrete tank replacements. Of the 74 tank replacements that have occurred, 68 occurred on tanks installed prior to the ordinance and 6 have occurred in systems installed afterward. Tanks with the highest number of replacements, ME and Snyder, chose not to pursue approval under the local ordinance. It is a matter of concern that plastic tanks are still showing high rates of replacement.

Tanks that are largely empty, such as pump chambers, ATU's and pump and haul tanks, represented a larger proportion of failures. This is more striking in that the number of septic tanks likely exceeds the number of pump chambers, ATU's and pump and haul tanks. It is presumed that the lack of interior liquid to resist outside pressure causes more stress on tank structure.
Post ordinance tanks have been constructed to more rigorous standards, and this along with less age has likely been the reason for fewer replacements of tanks installed post ordinance.

The numbers of tanks of each type installed were not available for the study period, so rates of failure could not be determined; this data is currently being collected for new systems. Additionally, this study only looked at known failures and undoubtedly more tanks in need of replacement are still in service awaiting discovery. It should also be kept in mind that the tanks installed post ordinance are newer and have not been subject to environmental factors for as long of a time period.

Going forward, the Health Department will continue to gather improved information on the types of systems in the ground and the likelihood that these systems are functioning as designed. Tanks will be examined as existing systems are routinely inspected as part of Loudoun County's 2011 requirement for periodic pumping. Data collected will clarify effectiveness of the ordinance as the tanks installed under the new County standards begin to age. Future evaluations will be needed to better establish differential rates of failure.

PCAV Thanks the Southeast Cement Promotion Association

In April of 2016 during the PCAV Annual Meeting, the Board of Directors was informed of the commitment of the Southeast Cement Promotion Association to support the PCAV promotional plans for 2016. The PCAV was greatly appreciative of the opportunities this support granted the PCAV to pursue additional promotional activities around the state of Virginia.

In September 2016, the PCAV Executive Committee (Matthew Smith/Smith-Midland, PCAV President, Mimi Coles/ Permatile Concrete Products, PCAV Secretary/Treasurer and Ed Page/Concrete Pipe & Precast - Vice President) spent considerable time and effort putting together a promotional strategy for 2017 as part of a request for continued support from the SCPA. In late October, the PCAV learned the request for 2017 had been approved.

The PCAV offers a sincere thank you to the Southeast Cement Promotion Association and their current members displayed below, for the support in both 2016 and 2017.

SOUTHEAST CEMENT PROMOTION ASSOCIATION

ARGOS

Buzzi Unicem

CEMEX
Building the future™

CONTINENTAL CEMENT COMPANY

LEHIGH HEIDELBERGCEMENT Group

NATIONAL CEMENT
National Cement Company of Alabama, Inc.

ROANOKECEMENT
A TITAN AMERICA BUSINESS

SAC
An Anderson Columbia and Votorantim Cimentos company

2017 PCAV Events Calendar

PCAV MEETINGS

Wednesday February 22, 2017 - PCAV/VDOT Joint Meeting - Virginia War Memorial - 621 South Belvidere Street, Richmond, VA 23220 - Freedom Hall
8:30 a.m. - Coffee and networking (all PCAV members welcome)
9:00 a.m. - 11:00 a.m. - PCAV Committee Members (all PCAV members welcome)
11:00 a.m. - 12:00 p.m. - PCAV/VDOT Joint Meeting (VDOT partners arrive at 11:00 a.m.)
12:00 p.m. - 1:00 p.m. - PCAV/VDOT Lunch
1:00 p.m. - 3:00 p.m. - PCAV Board Meeting (PCAV members only)

Tuesday April 25 - Wednesday April 26, 2017 - PCAV Annual Meeting - Charlottesville Omni - 212 Ridge McIntire Road, Charlottesville, VA 22903
Tuesday April 25:
11:00 a.m. - Golf Tournament - Location TBD
6:30 p.m. - 7:30 p.m. - Cocktail Reception - Charlottesville Omni
7:30 p.m. - 9:00 p.m. - Dinner - Charlottesville Omni
Wednesday April 26: (Charlottesville Omni)
8:00 a.m. - 9:00 a.m. - PCAV Board Meeting
9:00 a.m. - 12:00 p.m. - Annual Meeting
12:00 p.m. - 1:00 p.m. - Lunch
1:00 p.m. - Meeting Adjourns

Wednesday September 20, 2017 - PCAV/VDOT Joint Meeting - Virginia War Memorial - 621 South Belvidere Street, Richmond, VA 23220 - Freedom Hall
8:30 a.m. - Coffee and networking (all PCAV members welcome)
9:00 a.m. - 11:00 a.m. - PCAV Committee Members (all PCAV members welcome)
11:00 a.m. - 12:00 p.m. - PCAV/VDOT Joint Meeting (VDOT partners arrive at 11:00 a.m.)
12:00 p.m. - 1:00 p.m. - PCAV/VDOT Lunch
1:00 p.m. - 3:00 p.m. - PCAV Board Meeting (PCAV members only)

Industry Conferences

Virginia Concrete Conference : March 3-4, 2017 - Richmond, Virginia

VTCA Spring Transportation Construction Conference - April 5-7, 2017 - TBD

APWA Mid-Atlantic Spring Meeting - May 9-12, 2017 - Fredericksburg, VA

VDOT District Dialogues (PCAV Sponsored)

In 2017, the PCAV will be sponsoring Dialogues in five different VDOT Districts. Dates and venues TBD. PCAV members will be informed as dates/ locations become available. The five districts are:

Culpeper/Fredericksburg
Hampton Roads
Lynchburg/Salem
Northern Virginia
Richmond

PCAV MEMBERS

PCAV PRODUCER MEMBERS

MEMBER	CITY	STATE	TELEPHONE
Concrete Pipe and Precast, Inc.	Ashland	Virginia	804-798-6068
Nansemond Pre-cast Concrete Co. Inc.	Suffolk	Virginia	757-538-2761
Oldcastle Precast	Fredericksburg	Virginia	540-898-6300
Permatile Concrete Products Co.	Bristol	Virginia	276-669-5332
Rinker Materials	Frederick	Maryland	301-698-7373
Smith-Midland Corporation	Midland	Virginia	540-439-3266
Faddis Concrete Products	King George	Virginia	540-775-4546
Winchester Building Supply Co.	Winchester	Virginia	540-667-2301

PCAV ASSOCIATE MEMBERS

MEMBER	CITY	STATE	TELEPHONE
A.L. Patterson, Inc.	Fairless Hills	Pennsylvania	800-332-7090
A-LOK Products, Inc.	Tullytown	Pennsylvania	800-822-2565
BASF Admixtures	Beechwood	Ohio	610-212-5577
Boral Material Technologies	Reidsville	North Carolina	336-210-7435
Capitol Foundry of Virginia, Inc.	Virginia Beach	Virginia	757-427-9431
CONAC (Concrete Accessories, Inc.)	Duluth	Georgia	770-471-1110
Concrete Sealants, Inc.	Tipp City	Ohio	610-948-7867
Delta Engineers, Architects, & Land Surveyors	Endwell	New York	607-231-6613
EJ USA, Inc.	Richmond	Virginia	804-513-0674
Engineered Wire Products, Inc.	Upper Sandusky	Ohio	419-294-3817
Essroc Cement	Laneview	Virginia	800-437-7762
Fullerton & Knowles, P.C.	Clifton	Virginia	703-818-2600
Giant Cement Company	Summerville	South Carolina	843-851-9898
Grace Construction Products	Cambridge	Massachusetts	800-354-5414
Haarup North America Inc.	Portland	Oregon	503-954-1718
Hamilton Kent , LLC	Lexington	Kentucky	859-553-0849
Insteel Wire Products	Mount Airy	North Carolina	800-334-9504
Lehigh Cement Co.	Union Bridge	Maryland	800-462-9071
M.A. Industries, Inc.	Peachtree City	Georgia	800-241-8250
Martin Marietta Aggregates	Midlothian	Virginia	804-674-9517
Neenah Foundry	Neenah	Wisconsin	804-350-6911
Press-Seal Gasket Corp.	Ft. Wayne	Indiana	260-436-0521
Roanoke Cement Co.	Mechanicsville	Virginia	504-798-3251
Spillman Company	Columbus	Ohio	800-443-6767
SteelCON Supply Co.	Beckley	West Virginia	304-255-1416
Swope & Associates, Inc.	Charles City	Virginia	804-829-5551
TEKA North America	Chesapeake	Virginia	757-558-8846
The SEFA Group	Lexington	South Carolina	803-520-9000
Trelleborg Pipe Seals	Milford	New Hampshire	800-626-2180
US Foundry (Eagle Manufacturing Group)	Brown Summit	North Carolina	800-527-8380

PCAV

1108 E. Main Street
Suite 1200
Richmond, VA 23219

Phone: 804-377-2144
marksinger@gopcav.com
vanessapatterson@gopcav.com

Visit our website
www.gopcav.com

Precast Concrete Association of Virginia

Mission Statement

The Precast Concrete Association of Virginia is dedicated to the growth of the precast concrete industry. We pursue that purpose by educating and partnering with specifiers, installers and end users on the advantages and proper utilization of our products and systems. The association will represent its members in the Commonwealth of Virginia.

If you have received this newsletter as a forwarded email, please go to http://www.gopcav.com and subscribe.

Please forward this newsletter to your colleagues, business associates, vendors and prospects and ask them to visit www.gopcav.com to subscribe as well.

PCAV Officers & Directors

PRESIDENT
Matthew I. Smith
Smith-Midland Corporation
5119 Catlett Road
Midland, VA 24203
(540)439-3267 x142
msmith@smithmidland.com

VICE PRESIDENT
Edward C. Page, P.E.
Concrete Pipe & Precast
2000 Salem Industrial Drive
Salem, VA 24153
(540)444-5745
epage@concretepandp.com

SECRETARY-TREASURER
Mimi Rainero Coles
Permatile Concrete Products
100 Beacon Road
Bristol, VA 24203
(540)529-6464
mcoles@permatile.com

DIRECTOR
Paul Sherman
Oldcastle Precast, Inc.
5115 Massaponax Church Rd
Fredericksburg, VA 22407-8775
(540)295-1569
paul.sherman@oldcastle.com

DIRECTOR
Brandon Allgyer
Faddis Concrete Products
11023 Dennis W. Kerns Pkwy
King George, VA 22485
(540)775-4546
ballgyer@faddis.com

DIRECTOR
Brandon McConnell
Nansemond Pre-Cast Concrete
3737 Nansemond Parkway
Suffolk, VA 23435
(757)538-2761
bmcconnell@npccva.com

DIRECTOR
Aimee Connerton
Rinker Materials
1751 Monocacy Boulevard
Frederick, MD 21701
(301)698-7373
aimeej.connerton@cemex.com

DIRECTOR
Stephen Rodgers
Winchester Building Supply Co
2001 Millwood Pike
Winchester, VA 22602
(540)667-2301
scr@wbswinchester.com

ASSOCIATE DIRECTOR
Craig Whitten
EJ USA, Inc.
3012 Blackthorn Way
Richmond, VA 23233
(804)513-0674
craig.whitten@ejco.com

ASSOCIATE DIRECTOR
Mike Zito
Roanoke Cement
188 Summerfield Court
Roanoke, VA 24019
(561)248-5974
mzito@titanamerica.com

ASSOCIATE DIRECTOR
Tony Chinn
CONAC
170 Ashland Point
Hendersonville, TN 37075
(770)212-1575
mike.girardi@neenahenterprises.com

GENERAL COUNSEL
James D. Fullerton
Fullerton & Knowles, P.C.
12642 Chapel Road
Clifton, VA 20124
(703)818-2600 ext.205
JFullerton@FullertonLaw.com

PCAV Staff

Mark Singer
marksinger@gopcav.com

Vanessa Patterson
vanessapatterson@gopcav.com