

Pennsylvania Precast Association

Membership Meeting

May 4th – Carlisle, Pa

Meeting called to order at 9:00 AM

- 1.) Reviewed anti-trust policy
Self introductions and sign in
- 2.) Reviewed financials

Balance-	\$48,140.80
Est. reserves-	\$51,222.82
- 3.) Executive committee review
President- Pat Holleran
Vice President- Phil Weber
Treasurer/Secretary- Rusty Fox
Immediate Past President- Jay Behney
- 4.) Committee Membership review- Please start thinking of nominations for the November meeting at which time we will have the election of officers
 - a.) Quality Assurance and Specifications
 - b.) Manhole Standards work group
 - c.) Membership and Marketing- Open Chair
 - d.) Septic Tank Manufacturing Committee
- 5.) Action items from January 5th meeting
 - a.) Sales/Use tax
 - b.) Minority contracting requirements
- 6.) Presentations
 - a.) Minority Contracting
Bob Latham - APC
DBE/MBE participation was reviewed with a power point presentation (see attached).
 - b.) Sales/Use Tax
Sharon Paxton & Jim Kutz from McNees, Wallace, & Nurick
The laws surrounding sales/use tax in Pennsylvania was reviewed with a power point presentation (see attached).
- 7.) Membership & Marketing issues
 - a.) Please direct addresses to Hank for Precast Solutions magazine. These magazines can be sent out to engineers and other specifiers to educate them on the advantages of using precast concrete.
 - b.) Web site traffic continues to increase.
 - c.) NPCA affiliates Forum is at www.forum.precast.org please check it out.
 - d.) PPA is now on [Facebook](https://www.facebook.com/ppa) become a friend!
 - e.) Production Inspection Report was reviewed and a handout was given.

- f.) Gene Martin spoke on behalf of the NPCA, anyone interested in sitting on the Board of Directors is urged to contact Gene for an application.
- 8.) Penn DOT Topics (See attached)
- a.) Revision of RC39M- The scope of work for this work order is finalized between Gannet Flemming and PA DOT and a work order is in place.
 - b.) Inlet top cracking, Penn DOT has collected various plastic chairs and have had testing done such as infrared analysis, moisture absorption, composition testing, and volumetric expansion. The results of this testing are being reviewed.
 - c.) Barker Steel is now on a level 3 certification. PA DOT must be informed by them prior to making any shipments. The plant must test all bar and samples must be tested by an independent lab at the same frequency. Their epoxy coating is at level 2 and SMU is monitoring shipments
 - d.) ASTM A775 requires that each epoxy powder manufacturer identify and test the repair materials to be used with their powder system. Please maintain status quo until otherwise notified.
 - e.) BOCM is completing audits of several industry JJ Hook suppliers and will be listing them in Bulletin 15. Currently there is only one approved to do this work, Winchester Metals, PA DOT has received one other application from manufacturers to get approved. That application for Summit Steel Manufacturing should be approved within a week.
 - f.) New Pub 145- March 2011 can be found online, there have been some major changes. A letter dated April 19th 2011 was sent out to all Bulletin 15 precast plants. Welding and epoxy coated rebar testing will require a new QC process. Small changes were made to batch tolerances for batching 3 cubic yards and less, a +/- .01% on the water cement ratio. There have also been some changes to the mix design approval/re-submittal process.
- 9.) Executive Director's report
- a.) Keep your listings up to date on PPA's website.
 - b.) What training or tools do you need help with? Let Hank know.
 - c.) Transportation funding update and continued contact with elected officials
 - d.) Note change in email addresses info@paprecast.org
 - e.) [Facebook](#)
 - f.) TCI PAC will be having a golf tournament May 31st at Stonewall Golf Course (See attached details)
- 10.) Upcoming meeting dates
- a.) September 7th - Hotel Carlisle
- 11.) Comments - None

Associated Pennsylvania Constructors

DBE Compliance Program



Cordell M. Parvin
Jenkins & Gilchrist, P.C.

What You Need to Do in the Post-Enron Era

Why is it important to you, the honest contractor?



What You Need to Know

USDOT Inspector General to Congress
July 22, 2003

- DBE Fraud
 - “Sham” “false front” companies
 - Caseload: 30 investigations in 16 states

What You Need to Know

USDOT Inspector General to Congress
July 22, 2003

- DBE Fraud
 - Prime Contractors conspire with DBEs to meet goals
 - DBEs either do not perform the work or yield total control of personnel and operations to prime contractors

What You Need to Do to Protect Your Company

What We Will Cover:

- DBE
 - Contract Obligations
 - Commercially Useful Function

What You Need to Know - DBE Program

DBE Eligibility

26.69 Ownership

- At least 51% owned
- Ownership must be real, substantial and continuing
- Securities are held directly by disadvantaged persons
- Contributions of Capital or expertise must be real and substantial

What You Need to Know - DBE Program

DBE Eligibility

26.71 Control

- Must be independent
- Must possess the power to direct management decisions
- Non-DBE can not be disproportionately responsible for the operation of the firm

What You Need to Know - DBE Program

DBE Eligibility

26.71 Control

- Owns or leases the necessary equipment
 - Leasing equipment is a normal industry practice
 - Lease may not involve a relationship with the prime contractor or other party that compromises the independence of the firm

What You Need to Know - DBE Program

DBE Goal

- When DBE participation less than goal, Contractor must continue Good Faith Effort throughout the life of contract

What You Need to Know - DBE Program

DBE Goal

- DBE obligations
 - Take all necessary and reasonable steps, according to 49 CFR Part 26 to ensure that DBEs have the opportunity to compete for and perform contracts

What You Need to Know - DBE Program

DBE Goal

- Failure to comply with DBE Requirements
 - Failure to carry out DBE requirements constitutes a breach of contract and, after notification to the USDOT, may result in termination of the contract, being barred from bidding on Department contracts for up to 3 years, or any other remedy that PENNDOT deems appropriate

What You Need to Know - DBE Program

Counting DBE Participation Toward DBE Goal

- DBE Firms
 - Total value of the contract awarded to the certified DBE, except:
 - Count only value of work actually performed by the DBE toward DBE goals
 - Count entire amount of construction contract performed by DBE's own forces. Include cost of supplies and materials obtained by DBE for work of the contract, including supplies purchased or equipment leased by DBE

What You Need to Know - DBE Program

Counting DBE Participation Toward DBE Goal

- DBE Firms
 - Total value of the contract awarded to the certified DBE, except:
 - Count expenditures to a DBE contractor only if DBE is performing a commercially useful function

What You Need to Know - DBE Program

Counting DBE Participation Toward DBE Goal

- DBE Firms
 - Total value of the contract awarded to the certified DBE, except:
 - A DBE performs a commercially useful function when it is responsible for execution of the contract work and is carrying out its responsibilities by actually performing, managing, and supervising the work involved.

What You Need to Know - DBE Program

Counting DBE Participation Toward DBE Goal

- DBE Firms
 - Total value of the contract awarded to the certified DBE, except:
 - To perform a commercially useful function, DBE must also be responsible, with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering material, and installing (where applicable) and paying for the material itself

What You Need to Know - DBE Program

Counting DBE Participation Toward DBE Goal

- Materials and Suppliers
 - Count 100% of materials supplied by DBE Requirements
 - A manufacturer is a firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract and of the general character described by the specifications

What You Need to Know - DBE Program

Counting DBE Participation Toward DBE Goal

- **Materials and Suppliers**

- Count 60% of materials furnished by regular dealer
- A regular dealer is a firm that owns, operates, or maintains a store, ware-house, or other establishment in which materials, supplies, articles or equipment of general character described by the specifications and required under the contract are bought, kept in stock, and regularly sold or leased to the public in usual course of business

What You Need to Know - DBE Program

Counting DBE Participation Toward DBE Goal

- **Materials and Suppliers**

- A person may be a regular dealer in bulk items if the person both owns and operates distribution equipment for the products
- Count only fees or commissions from DBE who is not a manufacturer or regular dealer

What You Need to Know - DBE Program

Counting DBE Participation Toward DBE Goal

- **Trucking Firms**

- DBE must be responsible for management and supervision of entire trucking operation
- DBE must itself own and operate at least one fully licensed, insured, and operational truck



What You Need to Know - DBE Program

Counting DBE Participation Toward DBE Goal

- **Trucking Firms**

- DBE receives credit for total value of transportation services using trucks it owns, insures, and operates using drivers it employs
- DBE who leases trucks from another DBE receives credit for the total value
- DBE who leases from a Non-DBE is entitled to credit only for the fee or commission it receives

What You Need to Know - DBE Program

Actions Required By the Bidder at the Bidding Stage and Prior to Award

- When goal met or exceeded, electronically submit evidence of such solicitations and commitments and submitting DBE Participation for Federal Projects by 3:00 p.m. prevailing local time within 7 calendar days after the bid opening

What You Need to Know - DBE Program

Actions Required By the Bidder at the Bidding Stage and Prior to Award

- When goal not met, demonstrate Good Faith Effort by seeking DBE participation in the project given all relevant circumstances

What You Need to Know - DBE Program

Actions Required By the Bidder at the Bidding Stage and Prior to Award

- Efforts not exclusive or exhaustive
 - Efforts to solicit through all reasonable and available means (e.g. use of DBE Directory, attendance at pre-bid meetings, advertising and/or written notices). Bidder must provide written notification at least 15 calendar days prior to bid opening.

What You Need to Know - DBE Program

Actions Required By the Bidder at the Bidding Stage and Prior to Award

- Efforts not exclusive or exhaustive
 - Efforts made to select portions of work to be performed by DBEs to increase likelihood DBE goal will be achieved

What You Need to Know - DBE Program

Actions Required By the Bidder at the Bidding Stage and Prior to Award

- Efforts not exclusive or exhaustive
 - Efforts made to provide interested DBEs with adequate information about plans, specifications, and requirements of contract in a timely manner to assist them in responding to a solicitation

What You Need to Know - DBE Program

Actions Required By the Bidder at the Bidding Stage and Prior to Award

- Efforts not exclusive or exhaustive
 - Efforts made to negotiate in good faith with interested DBEs
 - Evidence of such negotiation includes
 - Names, addresses, and telephone numbers of DBEs considered
 - Description of information provided regarding the plans and specifications for the work selected for subcontracting
 - Evidence as to why additional agreements could not be reached for DBEs to perform work

What You Need to Know - DBE Program

Actions Required By the Bidder at the Bidding Stage and Prior to Award

- Efforts not exclusive or exhaustive
 - Take DBE's price and capabilities as well as contract goals into consideration
 - Additional cost is not in itself sufficient as long as such costs are reasonable
 - Bidders are not required to accept higher quotes from DBEs if the price difference is excessive or unreasonable

What You Need to Know - DBE Program

Actions Required By the Bidder at the Bidding Stage and Prior to Award

- Failure to accept a DBE as being unqualified without sound reasons based on a thorough investigation of their capabilities.
- Efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance

What You Need to Know - DBE Program

Actions Required By the Bidder at the Bidding Stage and Prior to Award

- Efforts to assist interested DBEs in obtaining necessary equipment, supplies, materials, or related assistance or services
- Efforts to effectively use the Department's DBE Supportive Services Contractors, minority/women community organizations and contractors' groups

What You Need to Know - DBE Program

Actions to Be Taken By Department Before Award

- Director and/or Committee will review apparent low bidder's DBE data and Good Faith Effort
- If Committee determines apparent low bidder has failed to make a Good Faith Effort, bid will be rejected

What You Need to Know - DBE Program

Actions to Be Taken By Department After Award

- EO-354
 - Commercially Useful Function Report (Federally Funded Projects Only)
 - EO-354 will be completed by the inspector in charge.
 - Will be completed for each DBE on Federal Funded projects with five days of start work.

What You Need to Know - DBE Program

Actions to Be Taken By Department After Award

- Compliance Review
 - Upon completion of work the Department will review actual DBE participation and make a determination regarding the Contractor's compliance with the applicable requirements specified herein
 - If contractor found in non-compliance, prequalification officer may impose sanctions

What You Need to Know - DBE Program

Actions to Be Taken By Contractor After Award

- If awarded based on Good Faith Efforts continue efforts toward meeting the contract goal
- Substitution:
 - Must notify District Engineer / Administrator and demonstrate DBE unwilling or unable to successfully perform and every effort has been made to allow DBE to perform

What You Need to Know - DBE Program

Actions to Be Taken By Contractor After Award

- If awarded based on Good Faith Efforts continue efforts toward meeting the contract goal
- Substitution:
 - Must make Good Faith Effort to replace, unless projected DBE participation exceeds goal

What You Need to Know - DBE Program

Actions to Be Taken By Contractor After Award

- Additional Work
 - When additional work is required for any classification of work at least 50% of this addition work will be performed by the same DBE unless the DBE submits, in writing, that he/she cannot perform the work due to his/her own limitations

What You Need to Know - DBE Program

Actions to Be Taken By Contractor After Award

- Records and Reports
 - Must keep records to determine compliance, including
 - Number of DBE subs and non-DBE subs, suppliers
 - Progress and efforts seeking out DBE contractor organizations
 - Documentation to obtain DBE participation

What You Need to Know - DBE Program

Actions to Be Taken By Contractor After Award

- **Records and Reports**
 - Reports monthly on DBE contracts
 - Maintain records for three years following final payment
- **Progress Payments**
 - Must report if any are not made to DBE

What You Need to Do - DBE Program

Checklist

1. Have we established monitoring and documentation procedures for unbonded subcontractors and suppliers?
2. Have we identified and complied with contract prompt payment clause?

What You Need to Do - DBE Program

Checklist

3. To ensure our DBEs perform a commercially useful function, have we:
 - a. Obtained a Work Plan?
 - b. Included DBEs in weekly scheduling meetings?
 - c. Obtained a schedule from DBE?
4. Are we monitoring DBE performance to make sure they are performing, managing and supervising the work?

What You Need to Do - DBE Program

Checklist

5. Regarding management and supervision, are DBEs:
 - a. Scheduling, their work?
 - b. Ordering their equipment and materials?
 - c. Preparing and submitting payroll?
 - d. Hiring and firing their own employees?
 - e. Controlling day-to-day work by their crews?

What You Need to Do - DBE Program

Checklist

6. Regarding labor:
 - a. Are crews under the direct supervision of DBE foreman/superintendent?
 - b. Are they normally employed by the DBE rather than being normally employed by a non-DBE?

What You Need to Do - DBE Program

Checklist

7. Regarding equipment:
 - a. Does the DBE own or does it have a written lease for equipment?
 - b. Is any equipment belonging to us or another non-DBE firm being utilized by the DBE?

What You Need to Do - DBE Program

Checklist

8. Regarding materials and supplies:
 - a. Has DBE negotiated price?
 - b. Has DBE taken care of any shop drawings?
 - c. Has DBE arranged for delivery and received the materials?
 - d. Has DBE installed materials?
 - e. Has DBE paid for materials directly?
 - f. Have we used joint checks to pay for materials?

What You Need to Know – Summary

Contractors' Responsibilities

- Efforts to provide opportunities to DBE firms.
- Good Faith Efforts if goal not met
- Monitor to ensure DBE performing a commercially useful function
- Retain records for 3 years after completion of contract

DBE Compliance

Associated Pennsylvania Constructors

- **DBE EEO Committee**
- **Quarterly Meetings with BEO**
- **Counsel – McNees, Wallace, Nurick**



SALES TAX & CONSTRUCTION CONTRACTS

by Sharon R. Paxton

May 4, 2011

OVERVIEW OF "SALES" AND "USE" TAX

- **Sales Tax** – tax that is collected by a seller from a customer.
- **Use Tax** – tax that is self-accrued and reported and paid directly to the Department of Revenue by the purchaser.

FURNISH AND INSTALL CONTRACTS

- **Sale vs. Use of Materials** – A company makes taxable "use" of materials transferred pursuant to "construction contract" but "sells" materials transferred pursuant to contract which is not a "construction contract." This determination affects tax incidence.

FURNISH AND INSTALL CONTRACTS (CONT'D)

- **Fabrication of Installed Materials** - When a company manufactures or fabricates items that it will install pursuant to a "construction contract," tax is due only on the cost of the materials used by the contractor to manufacture or fabricate the items to be installed.

ACT 45 OF 1998

- Absent specific exemption, a contractor makes taxable "use" of property purchased for installation or consumption in the performance of a "construction contract," regardless of method of attachment.
- Only exemption is for "building machinery and equipment" transferred to tax-exempt entity.

ACT 45 OF 1998 (CONT'D)

- Construction contracts with non-exempt entities remain subject to the historical "realty-personalty" test.

STATUTORY DEFINITIONS

- **Construction Contract** - "A written or oral contract or agreement for the construction, reconstruction, remodeling, renovation or repair of real estate or a real estate structure." 72 P.S. § 7201(nn).
- **Construction Contractor** - "A person who performs an activity pursuant to a construction contract, including a subcontractor." 72 P.S. § 7201(oo).

STATUTORY DEFINITIONS (CONT'D)

- **Real Estate Structure** - "A structure or item purchased by a construction contractor pursuant to a construction contract with [a tax-exempt entity]. The term includes building machinery and equipment; ... streets; roads; highways; parking lots; ... bridges; ... guardrail posts; and any structure or item similar to any of the foregoing, *whether or not the structure or item constitutes a fixture or is affixed to the real estate, or whether or not damage would be done to the structure or item or its surroundings upon removal.*" 72 P.S. § 7201(qq) (emphasis added).

STATUTORY DEFINITIONS (CONT'D)

- **Use** - Specifically includes "[t]he obtaining by a construction contractor of tangible personal property or services provided to tangible personal property which will be used pursuant to a construction contract whether or not the tangible personal property or services are transferred." 72 P.S. § 7201(o)(17).

STATUTORY DEFINITIONS (CONT'D)

- **Building Machinery and Equipment** - The term includes generation equipment, storage equipment, conditioning equipment, distribution equipment and termination equipment which is part of certain specified systems.
Term specifically includes "guardrails" and "medial devices."
Term excludes "guardrail posts."
72 P.S. § 7201(pp).

SCOPE OF BUILDING MACHINERY AND EQUIPMENT

- **Highway Sound Barriers:** Not "BME" pursuant to court decisions in *Kinsley Construction* and *Hempt Brothers* cases.
- **Median Barriers:** Department of Revenue takes position these are not "BME."
- **Box Culverts/Manholes:** Not BME.

2010 LETTER RULING

Ruling No. SUT-10-002 (June 1, 2010) – Bridge beam manufacturer treated as mere "vendor" and not "construction contractor" under "supply and erect" subcontract.

PA Precast Association Meeting
PennDOT Topics

May 4, 2011

PPA Meeting – May 4, 2011

- Barker Steel (BARK2) - **Fabricator**
 - Letter dated 7/28/10 downgraded them to Level 2 (fabricator - epoxy-coated rebar)
 - Follow-up letter dated 10/29/10 – additional repeated failures
 - 4/25/11 letter downgraded them to Level 3 (plant must test & independent lab testing must be done at same frequency)
 - Just a note: Level 4 would be Lot by Lot acceptance testing prior to shipment

PPA Meeting – May 4, 2011

- Barker Steel (BARK2) – **Epoxy Coater**
 - Letter dated 4/25/11 downgraded them to Level 2 for epoxy coating issues (increased testing frequency)
 - Bottom Line:
 - Be aware of these issues if you buy rebar from Barker Steel
 - SMU will monitoring shipments to precast plants
 - Visual inspection and/or sampling

PPA Meeting – May 4, 2011

- J-J Hook Barrier – Approved Connection Plate Suppliers
 - Winchester Metals is only company so far approved.
 - Second company, Summit Steel and Manufacturing, will be obtaining approval within a week.
 - Listed in “Machine Shop” section in Bulletin 15
 - **Once these two are in place – you will only be allowed to use J-J Hook connection plates from these two sources**

PPA Meeting – May 4, 2011

- Inlet Top Cracking
 - Seeing cracking (< 0.003”) in tops using rebar chairs

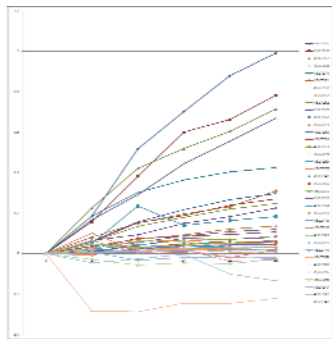


PPA Meeting – May 4, 2011

- Inlet Top Cracking
 - SMU obtained an ACI White Paper on research that indicated the chairs may be causing surface crack due to absorption
 - SMU took inventory of what each inlet top plant is using
 - SMU sampled the various chairs being used – Chemical Fingerprint & Absorption Testing

PPA Meeting – May 4, 2011

- Rebar Chair Absorption Results (shown on right)
- Game plan is to look at the top 4 or 5 chairs that had the highest absorption
 - Change in volume due to absorption
 - Determine coefficient of thermal expansion & potential contribution/impact



PPA Meeting – May 4, 2011

- Inlet Top Cracks
 - Reminder – Plants should be sealing, rubbing and sealing the cracks

PPA Meeting – May 4, 2011

- Manhole Workgroup Status
 - BOD opened new work order in ECMS and the scope of work has been published
 - BOD awaiting the technical proposal from Gannett Fleming – Due 5/9/11
 - STAY TUNED!

PPA Meeting – May 4, 2011

- Epoxy Coating Touch Up – Update
 - MTD is still in the process of obtaining/reviewing information and test data from epoxy powder suppliers
 - Game plan - Bulletin 15 will be revised to list the individual repair materials and which powders they are compatible
 - Once in effect – plant will have to use the proper repair material for the powder on the bar
 - As for now – business as usual

PPA Meeting – May 4, 2011

- New edition of Pub 145 – March 2011
 - Available online at:
ftp://ftp.dot.state.pa.us/public/pdf/bocm_mtd_lab/publications/pub_145/pub%20145.pdf
 - Major Changes:
 - Changes to Minimum QC Requirements
 - Based on recommendations of Bulletin 15 committee
 - Fabrication of rebar
 - Welding
 - Guidelines for Mix Designs – When you need to run new trials
 - Small Batch Tolerances
 - Letter was sent out on April 19, 2011 to all approved Bulletin 15 precast plants (sections 714, 1085 and 1107) given them 30 days to submit revised QC plans

PPA Meeting – May 4, 2011

- Reinforcement fabrication
- A. Protective Pin Bushing – Daily for wear
 - B. Bend radii, rebar length & geometry – First piece, if automated; 10% if manual
 - C. End coatings, if sheared – Positector, 10% daily
- Welding
- D. Procedure/Equipment
 1. Weld Procedure Specification – Posted at weld station; verify daily
 2. Verify equipment settings – Verify daily
 3. Carbon equivalency – Each rebar heat/document
 - E. Workmanship
 1. Undercut (1/32" max) – Check/document 10% welds daily
 2. Cracking, Overlap (none permitted) – Check/document 10% welds daily
 3. Weld size – Check/document 10% welds daily

PPA Meeting – May 4, 2011

So what does this all mean.....

Reinforcement fabrication (**Mainly concerned with epoxy-coated rebar fabrication – ASTM D3963**)

- A. Protective Pin Bushing – Daily for wear
Visual check for wear – must be documented somewhere i.e., check on a QC Form
- B. Bend radii, rebar length & geometry – First piece, if automated; 10% if manual
Recorded measurement at the noted frequency – Use ACI 117 for tolerances; checking 10% of bars made for each bend, length, etc.
- C. End coatings, if sheared – Positector, 10% daily
Magnetic pull off gauge is acceptable and cheaper. Document readings on 10% of patched ends and note any that were low (7 mils, min.) and additional coating and re-inspection.

<http://www.worldoftest.com/positopen.htm>

PPA Meeting – May 4, 2011

Welding

D. Procedure/Equipment

- 1. Weld Procedure Specification – Posted at weld station; verify daily
Check off on a QC Form is acceptable
- 2. Verify equipment settings – Verify daily
Check off on a QC Form is acceptable
- 3. Carbon equivalency – Each rebar heat/document
CE should be recorded for each lot; when a new lot is used, the CE should again be recorded on QC Form

PPA Meeting – May 4, 2011

E. Workmanship

- 1. Undercut (1/32" max) – Check/document 10% welds daily
Can be a check box on QC Form – yes, no and/or no-rejected or no-repaired
- 2. Cracking, Overlap (none permitted) – Check/document 10% welds daily
Both are rejectable – simple check box is acceptable
- 3. Weld size – Check/document 10% welds daily
Recorded measurement at the required frequency; check for minimum weld length – tack welds do not fall under this

PPA Meeting – May 4, 2011

- **THE BOTTOM LINE IS WE ARE NOT ON A WITCH HUNT TO HANG ANYONE OUT TO DRY FOR THIS!!!!!!**
- The Bulletin 15 committee has also indicated that contractors with projects where they are required to cut/bend rebar will also be held to the same requirements

PPA Meeting – May 4, 2011

- Small Batch Tolerances (less than 3 CY)– New Pub 145 guidelines.
 - Some precasters who have equipment that can only batch to the nearest gallon cannot meet the current tolerance of 1% on batch water.
 - In these cases, the Department will allow the water tolerance to be controlled through a variation of the target water/cement ratio of ± 0.01 .
 - For example, for a two yard batch produced for a mixture having a w/c ratio of 0.40 and a cement quantity of 700 pounds, the actual water may vary from design by $(700 \times 0.01) = \pm 7 \text{ lbs/cy} \times 2 \text{ yds} = \pm 14 \text{ lbs}$.
 - In any case, whether aggregate, cement or water tolerances are not met, the Inspector should immediately contact the Department's regional Engineer.

PPA Meeting – May 4, 2011

- Mix Designs: Approval, Revisions and Substitutions and Tolerances – Pub 145 Guidelines
 - Traditional Mixes:
 - Change in SG of any aggregate > 0.04
 - Addition of higher w/c
 - Change in or addition of any admixture other than AE
 - Change in any aggregate, cement or pozzolan
 - Unforeseen conditions – Dept. may provide approval to continue production on case by case basis
 - SCC Mixes (due to extensive testing timeframe):
 - Cement substitution allowed for:
 - Type 1 to Type 2 or Type 1 to Type 3
 - Pozzolan substitution allowed if same type, quantity and with similar chemistry
 - Any other substitutions and revisions will be evaluated on case by case basis and the relative impact

TCI-PAC

and its Association Members:

APC, PACA, ACPA, PAPA & CABA

and

Event Hosts:

Protection Services, Inc.

Swank Associated Companies, Inc.

cordially invite you to attend a

Golf Outing & Luncheon

with Special Guest

U.S. Congressman Jim Gerlach

Member, Ways & Means Committee

Pennsylvania 6th District

Tuesday, May 31, 2011

Stonewall Golf Club

375 Bulltown Road, Elverson, Pennsylvania

Light Breakfast 7:30 A.M.

Shotgun Start 8:00 A.M.

Bar-B-Que Lunch 12:00 P.M.

Range Balls available – both courses

Hole In One Contest \$20,000 (cash)

Robert B. Priest

Titlist Golf Ball Giveaways

Essroc Cement

Mike Colella, Sr. Vice President

Tournament Prizes

North Course with Carts

Limited space available on old course (caddie cost not included)

Foursome Sponsor \$1,750 (4 players)

Individual Golfer \$500

Please reply by May 20th.

Reply Form Enclosed. Information: 610-430-0271