



MEETING MINUTES

May 17, 2011

Attendees:

Andrew Hawksworth	Carollo	ahawksworth@carollo.com
Andy Yang	West Yost	ayang@westyost.com
Anne Prudhel	Carollo	aprudhel@carollo.com
Alex Christensen	Black & Veatch	christensenas@bv.com
Beryl Clark	JM Eagle	berylclark@jmeagle.com
Bill Chavez	SRCSO	chavezb@sacsewer.com
Bonneau Dickson	Bonneau Dickson	dickson.bonneau@gmail.com
Brian Avon	Carollo Engineers	bavon@carollo.com
Brian Chan	Foster City	bchan@fostercity.org
Brian DiBarnaba	Degenkolb Engineers	bdibarnaba@degenkolb.com
Chris Lyne	P&F Distributors	chris@pfdistributors.com
Colin Dudley	Brown & Caldwell	cdudley@brwncald.com
Dana Lawson	CCCSD	dlawson@centralsan.dst.ca.us
David Wang	Nolte	david.wong@nolte.com
Deanna Tanner	Brown & Caldwell	dtanner@brwncald.com
Dolly Chen	HDR	dolly.chen@hdrinc.com
Don Wible	Veolias ES/Pacific Liners	don.wible@veoliaes.com
Jack Huntamer	EBMUD	jhuntame@ebmud.com
Jeff Pearson	Schaaf & Wheeler	jpearson@swsv.com
Jon Wells	West Yost	mwells@westyost.com
Julie Matteson Watson	Brown & Caldwell	jmwatson@brwncald.com
Karl Miersemann	EBAA Iron	karlm@ebaa.com
Ken Cook	WCWD	kcook@wcwd.org
Kurt Vincelette	RB Company	kvincelette@rbcompany.com
Liz Hirschhorn	Whitley Burchett	lhirschhorn@whitleyburchett.com
Lynn Quinzon	QPA Sales	lynnq@qpasales.com
Marisa Boyce	EBMUD	mboyce@ebmud.com
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Rich Terrazas	Black & Veatch	terrazasr@bv.com
Robert Gonzales	EBMUD	rgonzale@ebmud.com
Roberts McMullin	EBMUD	rmcmulli@ebmud.com
Ryan Sellman	Carollo	rsellman@carollo.com
Sandie Dudley	CDM	dudleysl@cdm.com
Tope Hall	Whitley Burchett	dolaniyan@whitleyburchett.com

Presentation: EBAA Iron Pipe Restraints and Flexible Expansion Joints by Karl Miersemann of EBAA Iron, Inc.

Highlights from the presentation include:

1. Alternatives to restrained pipe joints include: concrete thrust blocks, welded pipe, low pressure piping system, clamps and rods, threaded, and glued.

Minutes by: Roberts McMullin, East Bay Municipal Utility District
Secretary, Nor Cal PUG

Page 1 of 3

2. Restrained pipe joints include: traditional flanged piping, Class 150 flanges rated at 250 PSI (rigid joint), specially made pipe joints, U.S. pipe: TR-Flex, U.S. Pipe: Field Lok gaskets for Tyton pipe, Clow: Tyton-Lok, Griffin Pipe & ACIPCO have their own as well, and Certainteed: Certa-Lok, PVC pipe & fittings.
3. Reasons for using restrained piping include: above ground application, bridge crossings, tunnels, meter or pump vaults, soil conditions may negate thrust block, immediate need to pressurize piping, and no room for thrust block
4. Thrust blocks: are weather temperature influenced, sometimes difficult to install, require additional space may be a problem, reduce hydrant drainage, difficult to remove, and costly
5. Conclusion: Only tradition keeps the thrust block in business. However, some cities have not used thrust blocks in 30 years.
6. Flexible expansion joints come in sizes 2 through 48-inch diameters.
7. For more information on the presentation, visit our website at www.norcalpug.com.

Handouts: EBAA Iron Megalug Catalogs were available.
Thank you for the great presentation Karl.

General:

April 19, 2011 Meeting Minutes: A motion was made to approve the minutes, which was seconded and minutes are approved with no corrections.

Announcements:

2011/2012 Membership: Please submit your 2011/2012 membership renewals. The new forms are located on the PUG website: www.norcalpug.com. Memberships cost is \$350 per entity. Remember that membership has numerous benefits, such as discounts for courses and conferences, participation in raffles held at random monthly meetings, discounts on attending the annual seminar, etc. Get your renewals and/or new member applications in today.

Financial: PUG CFO noted that approximately \$34,000 is in the PUG bank account.

PUG Committees: PUG is forming academic and social committees to help with outreach.

PUG Go Kart Event: PUG scheduled a gokart racing event for Monday, June 13, 2011, from 6:30 p.m. to 9:30 p.m. in Burlingame. The venue is called GoKart Racer – see www.gokarttracer.com for more information. Contact Roberts McMullin for more information at rmcmulli@ebmud.com.

UIM Webinars: The Water Utility Infrastructure Management (UIM) website hosts on-line and provides archived webinars related to water management. For more information, visit the UIM website: www.uimonline.com/index/webinars. Upcoming webinars include:

- HDPE Pipe: The Sustainable Solution for Potable Water – May 19, 2011
- Performance Integrity – A Flowmeter Selection Process – June 21, 2011
- A Non-Invasive Solution for Non-Revenue Water and Asbestos Pipe Condition Assessment – July 28, 2011

Trenchless Technology Webinars: The Trenchless Technologies website hosts on-line and provides archived webinars related to the trenchless industry. For more information, visit the TT website at: www.trenchlessonline.com/index/webinars. Upcoming webinars include:

- Water Relining – July 1, 2011

Colorado School of Mines: Colorado School of Mines is offering a tunneling short course called Breakthroughs in Tunneling 2011. The course directors are Dr. Levent Ozdemir, P.E. and

Timothy Coss. The course is offered September 19 – 21, 2011. For more information on registration, visit www.tunneling.com.

Water Environment Federation: WEF is offering a distance learning webcast (\$155 for members and \$195 for non-members) on Perspectives on Pipeline Renewal. Visit www.wef.org for more information. **WEFTEC 2011** is scheduled for October 15 through 19 in Los Angeles, California.

APWA: American Public Works Association is offering a web broadcast for May 26, 2011. The broadcast is on Small Project – Big Results: Facilities and Grounds Sustainability Projects. Visit www.apwa.net/Events for more information.

ASCE: The American Society of Civil Engineers is hosting its Pipelines 2011 Conference in Seattle, Washington over July 23 through 27, 2011. For more information on the conference, visit: <http://content.asce.org/conferences/pipelines2011/index.html>.

NASTT: The North American Society for Trenchless Technology is now accepting abstracts for its 2012 No-Dig Show in Nashville, Tennessee, over March 11 through 15, 2012. For more information, visit: <http://www.nodigshow.com/abstracts/index2012.php>

Technical Toolboxes: Technical Toolboxes is offering the following training opportunities:
Understanding Pipeline AC Interference and Mitigation – May 24 and 25, 2011
HDD Technology for Pipeline and Utility Application – June 7 through 9, 2011
Cathodic Protection Design for Storage Tanks and Pipelines – June 28 and 29, 2011
Visit <http://www.toolboxes.com/Training/> for more information on the training opportunities.

Projects Discussions:

Kurt Vincelette of R&B Company discussed the following projects:

1. Pacifica Recycled Pipeline – for North Coast County Water District = 2160 ft of 12" Fusible PVC Reclaim installed via open cut through the restrained sections, 1200 ft in the ground so far. Spec called for Fusible PVC or HDPE, contractor chose Fusible PVC
2. Atherton Slipline – for Cal Water = 1840 ft of 16" DR25 Fusible C905 Water installed via slipline in existing 20" steel line. Cal Water chose Fusible PVC for its ability to maximize flow with limited OD due to slipline application.
3. Napa State Hospital – for Napa Sanitation District = 2320 ft of 24" Fusible PVC Reclaim installed via open cut and Jack & Bore. Spec called for Fusible PVC or Bell & Spigot PVC with Bell Restraints and Cathodic. Contractor chose Fusible PVC for savings in casing size reduction of Jack & Bore. Casing with Bell & Spigot would have been 6" larger to accommodate OD of restraints.
4. Recycled Water Expansion North Segment – for North Marin Water District = 5120 ft of 8" Fusible PVC Reclaim installed via Directional Drill. Spec called for Directional Drill with 8" Fusible PVC or Open cut with 8" Bell & Spigot. Contractor chose Fusible PVC for savings on paving.

Alex Christensen of Black and Veatch discussed the Alameda Siphon No. 4 project for the SFPUC. The project involves a pipeline crossing the Calaveras fault line. The CM is being handled in house by the SFPUC. Project is near completion with most large diameter pipeline placed (66" diameter).

Next Meeting:

The next general meeting is scheduled for Tuesday, June 21, 2011. The presentation topic is on Sprayroq and SprayWall Structural Rehabilitation by Rocky Capehart of Sprayroq, Inc. Please call Roberts McMullin at 510-287-1296 or email rmcmulli@ebmud.com for additional information on this month's meeting minutes.