



MEETING MINUTES

July 19, 2011

Attendees:

Abhijeet Bendre	Nolte	abhijeet.bendre@nv5.com
Bonneau Dickson	Bonneau Dickson	dickson.bonneau@gmail.com
Brian DiBarnaba	Degenkolb	bdibarnaba@degenkolb.com
Chuck Mooney	HOBAS	
Cindy Preuss	Harris & Associates	cpreuss@harris-assoc.com
Deanna Tanner	Brown & Caldwell	dtanner@brwncald.com
Don Wible	Veolia ES	don.wible@veoliaes.com
Edgar Benitez	Ameron	edgar_benitez@ameron.com
Jimmy Dang	Oro Loma	jdang@orloma.org
John Goodwin	West Yost	jgoodwin@westyost.com
Julie Watson	Brown & Caldwell	jmwatson@brwncald.com
Kevin Kai	Brown & Caldwell	kkai@brwncald.com
Lani Good	HydroScience Engineers	lgood@hydroscience.com
Laura Galli	Foster City	lgalli@fostercity.org
Lisa Au	Santa Clara	lau@santaclaraca.gov
Marshall McLeod	EBMUD	mmcleod@ebmud.com
Matt Wassam	SAK Construction	mwassam@sakon.com
Mike Garcia	HOBAS	michaelgarc@gmail.com
Roberts Wilson	Santa Clara	rwilson@santaclaraca.gov
Roberts McMullin	EBMUD	rmcmulli@ebmud.com
Rosemary Smud	ADIP / ASP	rsmud@american-usa.com
Run Chen	Castro Valley San	run@cvsan.org
Sandie Dudley	CDM	dudleysl@cdm.com
Sasha Mestetsky	CCCSD	smestets@centralsan.dst.ca.us
Tope Hall	Whitley Burchett	dolanian@whitleyburchett.com
Tracie Sakakihara	Hatch Mott MacDonald	tracie.sakakihara@hatchmott.com
Walter Pease	Pittsburg	wpease@ci.pittsburg.ca.us

Presentation: Aqua-Pipe CIPP Water Main Rehabilitation and Swagelining by Matt Wassam from SAK Construction.

Highlights from the presentation include:

1. SAK Construction was created by the leaders of InsituForm.
2. Aqua-Pipe has been installed since 2000 with over 1.5 million feet installed to date
3. Aqua-Pipe has an AWWA M28 liner classification of IV for fully structural or structurally independent from the host pipe.
4. Proper pipe cleaning is required before installation of the CIPP Aqua-Pipe.
5. Services are opened from inside the pipe using a robot and CCTV.
6. Matt went through a Case Study from Omaha Municipal Utility District, where the old cast iron water mains were lined using Aqua-Pipe. SAK minimized the construction footprint to accommodate the limited site conditions. 10 excavation pits were required for 2,500 feet of relined pipe.

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

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7. Swagelining has been installed since 1985 with over 5.3 million feet installed to date.
8. Swagelining works on pipe sizes of 4" up through 60" diameters.
9. Swagelining works by putting PE pipe in tension through a reducing die, which decreases the outside diameter of the pipe, making the pipe able to slipline the existing pipe. Once the tension is released from the pipe, the original outside diameter returns.
10. Swagelining produces no gaps, is fully structural, and can accommodate up to 11 ¼ degree bends.
11. For more information on the presentation, visit our website at www.norcalpug.com.

Handouts: No handouts were provided.

Thank you for another great presentation Matt.

General:

June 21, 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 noted that approximately \$43,000 is in the PUG bank account.

PUG Committees: PUG is forming academic and social committees to help with outreach. Sandie discussed the PUG academic committee. The academic committee will start this August once school begins at the universities.

Field Trip: PUG is planning a future field trip for the month of October. PUG is now collecting ideas.

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:

- A Non-Invasive Solution for Non-Revenue Water and Asbestos Pipe Condition Assessment – July 28, 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. WEF is seeking abstracts for the 2012 collection systems conference. WEF is offering up to 50% off on books; refer to the website to take advantage of these great offers.

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>

Damage Prevention Professional: Damage Prevention Professional is creating a team of advisors with in-depth experience who can work with editorial staff to recommend article topics. If you are interested, contact Jeff Bistodeau at jeff@emailir.com.

CWEA: CWEA is seeking abstracts for the 2012 CWEA Annual Conference in Sacramento, California. The conference is schedule to take place over April 17 through 20, 2012, at the Sacramento Convention Center. Final abstracts are due by Monday, August, 2011.

LinkedIn: LinkedIn now has a Trenchless Technologies Group. As part of the group, Grant Whittle of Virginia Tech is building a non-profit website. He is looking for images related to the pipeline industry. If you have any interesting photos, please provide to him at gwhittle@vt.edu.

Projects Discussions:

Laura Galli of Foster City discussed a leak inspection project of over 4 miles of 24-inch diameter transmission water mains. She asked the attendees if anyone had experience using Pure Technologies Smart Ball or Sahara, or Echologics to assess pipeline leaks. Roberts McMullin discussed a grant project that EBMUD performed that evaluated the three technologies offered by Pure and Echologics. In summary of the grant study, Echologics can provide the most cost effective results for leak detection, but additional measures are required to confirm leaks.

Cindy Preuss of Harris and Associates asked the attendees if anyone had experience using gel grouting around lateral connections. Unfortunately, no one in the group had experience.

Mike Garcia and Chuck Mooney of HOBAS Pipe discussed an upcoming conference in Sacramento, California. HydroVision International 2011 will gather the last week in July and offer many technical sessions and presentations related to the water industry.

Walter Pease of the City of Pittsburg discussed an in-house design that involved the crossing of a canal and connection to CCWD and EBMUD services. The connection serves over 200 houses. The construction cost is estimated at \$200,000.

Rosemary Smud of American Ductile Iron Pipe discussed a book that AWWA is putting together. AWWA is looking for examples of design build projects to be incorporated in an AWWA Best Practices book that focuses on water pipes and treatment plants. If you have any examples, please contact Rosemary at rsmud@american-usa.com.

Lani Good of HydroScience Engineers asked the attendees and the PUG Board if there was an interest to compare the previously collected Bid data with that of BAWWA. Lani will coordinate with Sasha and Roberts for more information. So far, all PUG collected Bid information is provided on the website at www.norcalpug.com.

Next Meeting:

The next general meeting is scheduled for Tuesday, August 16, 2011. The presentation topic is on LMK Lateral T-Liners by Larry Kiest of LMK. Please call Roberts McMullin at 510-287-1296 or email rmcmulli@ebmud.com for additional information on this month's meeting minutes.