



MEETING MINUTES
December 13, 2011

Attendees:

Allen Law	City of Oakland	alaw@oaklandnet.com
Amanda Lei	City of San Jose	amanda.lei@sanjoseca.gov
Andy Hawksworth	Carollo	ahawksworth@carollo.com
Andy Yang	West Yost	ayang@westyost.com
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Bonneau Dickson	Consultant	dickson.bonneau@gmail.com
Brian DiBarnaba	Degenkolb	bdibarnaba@degenkolb.com
Colin Dudley	Brown & Caldwell	cdudley@brwnncald.com
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Dillon Miele	SASD	mieled@sacsewer.com
Don Ballantyne	Degenkolb	dballantyne@degenkolb.com
Drew Gilpen	SASD	gilpend@sacsewer.com
Falguni Amin	City of Santa Clara	famin@santaclaraca.gov
Glen Anderson	Schaaf and Wheeler	ganderson@swsv.com
Gunawan Santoso	City of Oakland	gsantoso@oaklandnet.com
Helena Choi	City of San Jose	helena.choi@sanjoseca.gov
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Jared Murphy	Hatch Mott MacDonald	jared.murphy@hatchmott.com
Jennifer Johnson	Napa San	jjohnson@napasan.com
Jimmy Dang	Oro Loma Sanitary	jdang@oroloma.org
Jonathan Lee	West Valley San	jlee@westvalleysan.org
Karl Yakich	EBMUD	kyakich@ebmud.com
Ken Cook	WCWD	kcook@wcwd.org
Ken Deibert	WCWD	kdeibert@wcwd.org
Kris Wall	Victaulic	kwall@victaulic.com
Kurt Vincelette	RB Company	kvincelette@rbcompany.com
Landon Lochrie	Castro Valley San	landon@cvsan.org
Lani Good	HydroScience Engineers	lgood@hydroscience.com
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Robin Gamble	Napa San	rgamble@napasan.com
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Sasha Mestetsky	CCCSD	smestets@centralsan.dst.ca.us
Stephen Keller	Marine and Industrial Eq	kellermaritime@ssctv.net
Tope Hall	Whitley Burchett	thall@whitleyburchett.com

Presentation: The Evolution of Wastewater Pump Station Design by Bonneau Dickson, P.E.

Highlights from the presentation include:

1. Evolution due to changes in technology created the following:
 - a. Non clog pumps

- b. Submersible motors
 - c. Variable frequency drives (VFDs)
 - d. Magnetic flow meters
 - e. Plastic liners
2. Evolution due to changes in regulations because of the following: confined space, fall restraint and arrest, environmental exposure, and arc flash.
3. Wastewater pump station configurations include the following:
 - a. Dry pit/ wet pit
 - b. Pneumatic ejectors
 - c. Package vertical shaft
 - d. Underground pump stations
 - e. Suction lift pump stations
 - f. Submersible pump stations
 - g. Dry pit submersible pumps
4. Submersible pump station advantages:
 - a. Pumping equipment not accessible to unauthorized personal
 - b. Pump can be easily withdrawn for maintenance
 - c. Wet well rarely has to be entered
 - d. Minimal confined space problems
 - e. No superstructure
 - f. No noise
 - g. Lower cost
5. For more information on the presentation, visit our website at www.norcalpug.com.

Handouts: No handouts.

Thank you for an excellent presentation Bonneau. We appreciate your help.

General:

November 15, 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.

Annual Seminar 2012: PUG will be hosting the 20th Annual Sharing Technologies Seminar on February 16, 2012 at Hs. Lordships in Berkeley, CA. The Seminar will consist of Greg Scoby's Keynote presentation on the overview of the City of Palo Alto's System-Wide Inventory Efforts to Discover, Identify, Eliminate, and Prevent Utility Conflicts Resulting from Natural Gas System Construction Related Cross Bores. Along the Keynote presentation, seven Board approved pipeline related presentations will follow.

Website: The PUG website is ready for online payment. This feature is available on the PUG website here at: www.norcalpug.com/payments.jsp.

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:

ASCE Pipelines 2012: ASCE is hosting the Pipelines 2012 Conference in Miami Beach, Florida during August 19 through 22, 2012. For more information, visit www.piplinesconference.org.

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.

LinkedIn: LinkedIn has active discussions related to the pipeline industry. Check out Trenchless Technologies on LinkedIn.

Microtunneling Research Institute: The Microtunneling Research Institute is conducting a microtunneling short course on February 8 – 10, 2012 at the Colorado School of Mines. For more information visit: <http://csmospace.com/events/microtunnel>.

CGA: The CGA Excavation Safety Conference and Expo is scheduled for March 6 – 8, 2012 at the Rio Hotel in Las Vegas, Nevada. For more information visit: www.cgaconference.com.

Excavation Safety University: The Excavation Safety University is offering webinars in December. For more information visit: www.excavationsafetyuniversity.com. Subjects include utility locating and as-built standards.

NASTT: The NASTT 2012 No-Dig Show is scheduled for March 11 – 15, 2012 at the Gaylord Opryland Hotel and Convention Center in Nashville, Tennessee. For more information visit: www.nodigshow.com. Members of the PUG Board will attend this event.

Projects Discussions:

Kurt Vincelette of R and B Company asked the group how agency specifications are updated. Sasha Mestetsky of CCCSD noted that a special internal pipe committee revises specifications with vendor review. Bob Wilson of Santa Clara said that specifications are updated after each project and are continually updated.

Don Ballantyne of Degenkolb discussed a seismic pipe presentation and demonstration on earthquake resistant ductile iron pipe and fitting by Kubota Corporation will take place on January 23, 2012, at the Los Angeles Department of Water and Power (LADWP). For more information on the demonstration, talk to Don.

Jimmy Dang of Oro Loma Sanitary District discussed a recent pipe replacement project that will replace 1 mile of sanitary sewers. The Engineer's estimate was \$770,000, and the low and high bids were \$584,000 and \$1,200,000, respectively. KJ Woods was the low bidder.

Jonathan Lee of West Valley Sanitation District discussed a recent pipe replacement project that will replace 14,000 feet of sanitary sewers. The sanitary sewers will be replaced using the following methods: pipe bursting, CIPP, and HDD. Engineer's estimate was \$1,700,000 and the low bidder was \$1,400,000.

Sasha Mestetsky of Central Contra Costa Sanitation District discussed a CIPP project that lined 500 feet of 12-inch and 600 feet of 15-inch diameter pipelines. The project took only two days to complete. In addition, Sasha asked the group if anyone had any knowledge of electro-fusion couplings catching fire during installation. Unfortunately, no one had any information to share.

Next Meeting:

The next general meeting is scheduled for Tuesday, March 20, 2012. The presentation topic has not been selected. More information to follow in an upcoming PUG email. Please call Roberts McMullin at 510-287-1296 or email rmcmulli@ebmud.com for additional information on this month's meeting minutes.