



**MEETING MINUTES**  
**April 17, 2012**

**Attendees:**

Brian Avon	Carollo	bavon@carollo.com
Brian DiBarnaba	Degenkolb	bdibarnava@degenkolb.com
Bill Chavez	SRCS	chavezb@sacsewer.com
Chris Lyne	P&F Distributors	chris@pfdistributors.com
Colin Dudley	Brown & Caldwell	cdudley@brwncald.com
Deanna Tanner	Brown & Caldwell	dtanner@brwncald.com
Don Ballantyne	Degenkolb	dballantyne@degenkolb.com
Don Curry	CSW / ST2	donc@cswst2.com
Freddy Rivera	City of Pittsburg	frivera@ci.pittsburg.ca.us
Jeff Lavandowski	Castro Valley SD	
Jimmy Dang	Oro Loma Sanitary Dist	jdang@oroloma.org
Justin Waples	CCCS	jwaples@centralsan.org
Keith Gellerman	CCCS	kgellerman@centralsan.org
Kevin Kelly	Jack Doheny Supplies	kevinkelly@dohenysupplies.com
Kevin Widmer	Cues, Inc.	kwidmer@cuesinc.com
Mark Wenslawski	CCCS	mwenslawski@centralsan.org
Nancy Molina	CCCS	nmolina@centralsan.org
Mike McElligott	Foster City	ndorais@fostercity.org
Patricia Chapman	Delta Diablo San Dist	patriciac@ddsd.org
Roberts McMullin	EBMUD	rmcmulli@ebmud.com
Rolf Ohlemutz	VSFC	rohlemutz@vsfcd.com
Run Chen	Castro Valley SD	run@cvsan.org
Sasha Mestetsky	CCCS	smestets@centralsan.dst.ca.us
Walter Pease	City of Pittsburg	wpease@ci.pittsburg.ca.us
Vern Phillips	Harris & Associates	vphillips@harris-assoc.com

**Presentation:** PANORAMO 360° Digital Sewer Scanning and Analysis and CCTV Lateral Launch Camera Inspection for Asset Management and Cross Bore Safety by Kevin Kelly of Jack Doheny Supplies.

***Highlights from the presentation include:***

1. PANORAMO 360° Digital Sewer Scanning provides continuous digital scanning for manholes and sewer pipes. Kevin Kelly provided detailed demonstration of collected pipe survey.
2. PANORAMO has two fish eye cameras positioned at either end of a crawler that offers complete pipe data along the full length of pipe.
3. PANORAMO moves through the pipe at a constant rate without the need to pan and tilt the camera for detailed video of defect. This increases the inspection rate to 69 feet per minute without stopping.
4. PANORAMO's only moving parts are the wheels of the crawler.
5. Data review program allows for unfolded pipe view to review pipeline condition at 3,000 lines of resolution.

6. PANORAMO can also inspect manholes, which is capable of providing 3D summaries using a digital 3D scanner.
7. IBAK ORION L provides a new way for lateral launch camera inspection to traverse branch laterals and 90-degree bends.
8. For more information on the presentation, visit our website at [www.norcalpug.com](http://www.norcalpug.com).

**Handouts:** No handouts.

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

#### **NASTT 2012 No-Dig Show Recap – Chavez**

Bill Chavez provided a thorough recap of the NASTT 2012 No-Dig Show. His summary included the following exhibits/papers. For more information on each, visit our website at [www.norcalpug.com](http://www.norcalpug.com).

1. Lessons Learned about External Corrosion that Leads to a 9'-4" x 8'-4" Influent Sewer Collapse.
2. SewerVue – In-Pipe GPR
3. Lateral Rehabilitation Options and their Cost-Benefit Comparison
4. SEWPER COAT – corrosion resistant lining
5. Advances in Water Pipeline Condition Assessment – Wachs Water Services

#### **General:**

**March 20, 2012 Meeting Minutes:** A motion was made to approve the minutes, which was seconded and minutes are approved with no corrections.

#### **Announcements:**

**2012/2013 Membership:** The 2012/2013 membership renewal forms will be submitted soon. The new forms are located on the PUG website: [www.norcalpug.com](http://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 Updates:** PUG currently has a balance of \$39,019.75 in the bank account.

**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](http://www.uimonline.com/index/webinars).

**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.pipelinesconference.org](http://www.pipelinesconference.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](http://www.wef.org) for more information.

WEF 2012 Collection Systems: Show Me the Green Conference and Exhibition will be held in St. Louis, Missouri over June 3 through 6, 2012.

**CWEA:** CWEA will be hosting a three-day conference in Sacramento in August 2012.

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

**Excavation Safety University:** The Excavation Safety University is offering webinars in December. For more information visit: [www.excavationsafetyuniversity.com](http://www.excavationsafetyuniversity.com). Subjects include utility locating and as-built standards.

**NASTT 2013 No-Dig Show:** The 2013 NASTT No-Dig Show is scheduled for March 3 through 7, 2013, at the Sacramento Convention Center in Sacramento, California.

**WESTT 2013 Mini-No-Dig Show:** The 2013 WESTT Mini-No-Dig Show is coming up in September or October of 2013. More information to follow on exact dates and location.

**Board Elections:** Board Elections will be held in June 2012. Nominations will be accepted in May 2012. A future email will be sent out providing information on the entire election process. All positions are open for the election. If you are interested, please talk to someone on the Board.

### **Projects Discussions:**

Don Ballantyne of Degenkolb discussed the Water Research Foundation Earthquake and Multi-Hazard Planning and Preparedness Symposium that took place on March 22, 2012. The one-day symposium presented business continuity plan development, emergency response planning, stakeholder and community communication before, during, and after a disaster, engineering of critical infrastructure for earthquake and hazard resilience, and lessons learned from large earthquakes from around the world.

Chris Lyne of P&F Distributors discussed the Water Replacement Project 23/24, which is the second in a series of projects of approximately 20,000 to 30,000' of 2" thru 16" diameters of pipe in which the City of Palo Alto is replacing about 90% of their water distribution system with HDPE pipe. This project consists of 20,000' of 2" thru 16" with 5,350' of 16" and including over 500 service reconnections. It will be entirely installed by directional drilling. The first project installed in 2010, consisted of 30,000' of mostly 8" pipe that required 50% to be installed by directional drilling. It is scheduled to begin construction in August/September. This project may be a good candidate for a project tour.

### **Next Meeting:**

The next general meeting is scheduled for Tuesday, May 14, 2012. The presentation topic is on the Acoustic Methods for Determining Remaining Pipe Wall Thickness by Carl Sharkey. More information to follow in an upcoming PUG email. Please call Roberts McMullin at 510-287-1296 or email [rmcmulli@ebmud.com](mailto:rmcmulli@ebmud.com) for additional information on this month's meeting minutes.