



MEETING MINUTES
June 10, 2014

Attendees:

Agustin Lopez	SASD	lopeza@sacsewer.com
Bill Chavez	SRCS	chavezb@Sacsewer.com
Bill Miller	City of Sacramento	bmiller@cityofsacramento.org
Cindy Preuss	HydroScience Engineers	cpreuss@hydroscience.com
Dale Mathison	City of Sacramento	dmathison@cityofsacramento.org
Don Greb	Griffin Soil Group	don@griffinsoil.com
Don Wible	Nor-Cal Pipeline	don@norcalpipe.com
Edward Diggs	Cues	digger@cuesinc.com
Erik Zalkin	Brown and Caldwell	
James Schofield	Union Sanitary District	james_schofield@unionsanitary.ca.gov
Jill Sylvester	NV5	jill.sylvester@nv5.com
Jimmy Dang	Oro Loma Sanitary District	jdang@oroloma.org
Jonathan Lee		jonlee119@sbcglobal.net
Justin Waples	CCCS	jwaples@centralsan.org
Kevin Kai	Brown & Caldwell	kkai@brwncald.com
Kevin Smith	EBMUD	smithk@ebmud.com
Lance Ablang	County of Sacramento	ablangl@saccounty.net
Mark Wenlawski	CCCS	
Michael Penny	CCCS	mpenny@centralsan.org
Mike Garcia	HOBAS Pipe	mgarcia@hobaspipe.com
Nancy McWilliams	West Yost Associates	nmcwilliams@westyost.com
Nancy Molina	CCCS	nmolina@centralsan.org
Noy Phannavong	V&A	nphannavong@vaengineering.com
Quoc Nham	City of Sacramento	qnham@cityofsacramento.org
Raffi Moughamian	EBMUD	rmougham@ebmud.com
Rob McMullin	EBMUD	rmcmulli@ebmud.com
Robert Allen	CDMSmith	allenrob@cdmsmith.com
Russell Tripp	CA Precast Concrete Pipe Assn.	russell@concrete-pipe.org
Sasha Mestetsky	CCCS	SMESTETS@centralsan.org
Shilpa Mehta	City of Santa Clara	smehta@santaclaraca.gov
Stu Williams	City of Sacramento	swilliams@cityofsacramento.org
Susan Yang	County of Sacramento	yangsus@saccounty.net
Thomas Vedder	P&F Distributors	tom@pfdistributors.com
Tom Frisher	HDR	tom.frisher@hdrinc.com
Walter Pease	City of Pittsburg	WPease@ci.pittsburg.ca.us

Minutes by: Jimmy Dang, Oro Loma Sanitary District
 Secretary, Nor Cal PUG

Page 1 of 4

The information disseminated on behalf of industry individuals/organizations via PUG is not necessarily the opinion of PUG, nor has PUG verified comprehensiveness or validity of the information.

Presentation: Pipe Assessment Inspection Advancements by Edward Diggs of Cues, Inc.
Presented by Edward Diggs.

Highlights from the presentations include:

Mr. Edward Diggs presented Pipe Assessment Inspection Advancements which included the following:

1. New Advancements in Pipe Assessment Inspection (Futurescan)
2. Pipe Penetrating radar for void detection and pipe inspection
 - a. 30 ft./min. with TV inspection. No antenna needs to touch the wall
 - b. Can see more than just voids
 - i. Rebar measurement, delamination, pipe wall/liner thickness, etc.
 - c. 15"-42" sweet spot for inspections
 - d. Works on all non-ferrous pipes
 - e. Operates up to 50% charged pipe and uncleaned pipe
 - f. Standard analysis
 - i. Includes radar B-scan display within GNET, in Real-time
 - ii. Video and Footage synchronized with radar data
 - iii. Color "heatmap" visualization of regions of interest
 - g. Premier Level
 - i. Pipe wall/liner thickness
 - ii. Rebar measurement
 - iii. Concrete degradation
 - iv. Liner and joint irregularities
 - v. Delamination
 - vi. Compaction and bedding evaluation
 - vii. As-built drawing verification
3. Other Cues Technologies
 - a. DUC-Digital Universal Camera
 - b. TV/Seal (Grout)
 - c. Granite XP & Net – Asset based software
 - d. Lateral Launder – LAMP w/mini P&T
 - e. Reinstatement Cutters
 - f. Entire System Profiling (ESP)
 - g. AMP – Accurate Mapping Probe

Handouts: None.

Thank you Edward for the outstanding presentation! We appreciate your help with PUG.

General:

May 12, 2014 Meeting Minutes: A motion was made to approve the minutes, which was seconded.

Announcements:

2014/2015 Membership: The 2014/2015 membership renewal forms are available and located on the PUG website: www.norcalpug.com. Memberships cost is \$350 per entity. 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. Payment options include Paypal or check.

Minutes by: Jimmy Dang, Oro Loma Sanitary District
Secretary, Nor Cal PUG

Page 2 of 4

Financial Updates: The current total in the organization account is \$33,049.41.

PUG Board Elections in June: Ballots will be sent out on June 24th. Each Board member serves a 2 year term from July 1st to June 30th.

APWA In the Works: Weekly updates can be found at www.apwa.net.

APWA Congress in Toronto Conference: to be held at the Metro Toronto Convention Centre in Toronto, Ontario on August 17th-20th, 2014. More information can be found by contacting APWA at 1-800-848-2792.

ASCE Pipelines 2014 Conference: Conference will be held in Portland, Oregon on August 3-6, 2014. Registration is now open. <http://content.asce.org/conferences/pipelines2014/>.

AWWA Ca-NV Section Whole Water Conference: to be held in Monterey, CA on June 24-26, 2014.

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

NASTT's WESTT Chapter Western Regional No-Dig Show: Conference will be held on October 6-7, 2014 in Albuquerque, New Mexico. For more information please go to <http://www.nastt.org/node/9729>.

NASTT 2015 No-Dig Show Call for Abstracts: Conference will be held in Denver, CO at the Colorado Convention Center on March 15-19, 2015. Abstracts are due by June 30, 2014.

NASTT Webinars: NASTT hosts complimentary webinar series to bring you professional instruction from leading experts in the field of trenchless technology. They can be found at www.nastt.org/webinars

1. July 8 – Carbon Calculator Webinar.
2. Sept 10 – CIPP Webinar.
3. Nov 6 – Condition Assessment Webinar.

TT Magazine: 2013 Pipe relining Guide: is available at <http://www.trenchlessonline.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.

1. None.

Underground Construction Magazine: is available at www.ucononline.com.

Water Environment Federation:

1. 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 2014: Registration is now open. Conference will be held on September 27 – October 1, 2014 at the New Orleans Morial Convention Center in New Orleans, LA.

Minutes by: Jimmy Dang, Oro Loma Sanitary District
Secretary, Nor Cal PUG

Page 3 of 4

The information disseminated on behalf of industry individuals/organizations via PUG is not necessarily the opinion of PUG, nor has PUG verified comprehensiveness or validity of the information.

Raffles: No raffle was held at this meeting. Remember, raffles can happen at any meeting but you have to be in attendance to win a prize.

Project Discussions:

Dale Mathison of City of Sacramento spoke about a project with 3,000 LF of combined sewers with pipe diameters of 72", 60", and 48". There are two bore and jacks under light rail tracks and are all located next to the new Kings arena. The Engineer's Estimate is \$4.3M and the design was completed in-house. The pipe will be either RCP or fiberglass.

Jimmy Dang of Oro Loma Sanitary District spoke about a project that is currently out to bid for their annual sewer line replacement. The work contains about 11,500 LF of pipe bursting work with an Engineer's Estimate of \$1.9M. The project includes sag removal and that scope of work is bid under a separate line item on the bid sheet. Bids are due late June.

Jonathan Lee spoke about a project that recently completed at West Valley Sanitation. It includes 22,000 LF of sewer rehabilitation work including 3 siphons about 75' in length each. The construction cost was \$4.2M and the contractor was KJ Woods. Although pipe ramming was the method approved by engineers during a study showing it would work, the construction proved differently. The contractor abandoned the pipe ramming due to hard soil conditions and went to laser guided boring. The pits were 25 feet deep and the construction period was 14 months. The pipe was a 12" carrier with a 20" casing.

Nancy Molina of CCCSD spoke about a project with an Engineer's Estimate of 2.35M. The work contained 8,500LF of pipe bursting work and the low bidder was KJ Woods.

Next Meeting:

The next general meeting is scheduled for Tuesday, July 8, 2014. The presentation topic is on "Ice Pigging – Cleaning Mains with Ice" by Kevin Barnes of Utility Service. Please call Jimmy Dang at 510-481-6981 or email jdang@oroloma.org for additional information on this month's meeting minutes.