



MEETING MINUTES
March 18, 2014

Attendees:

Aaron Hope	Carollo Engineers	ahope@carollo.com
Amanda Schmidt	West Yost Associates	aschmidt@westyost.com
Andrew Hawksworth	Carollo Engineers	ahawksworth@carollo.com
Bernadette Visitacion-Sumida	Brown & Caldwell	bvisitacion@brwncald.com
Bob Allen	CDMSmith	allenrob@cdmsmith.com
Bonneau Dickson	Bonneau Dickson	dickson.bonneau@gmail.com
Brian Avon	Golder Associates	brian_avon@golder.com
Danny Yang	Whitley Burchett	dyang@whitleyburchett.com
Dillon Miele	SASD	mieled@sacsewer.com
Don Curry	CSW/ST2	donc@cswst2.com
Don Wible	Nor-Cal Pipeline	don@norcalpipe.com
Eniko Gaeto	ADS Pipe	eniko.gaeto@ads-pipe.com
Falguni Amin	City of Santa Clara	famin@santaclaraca.gov
Garrett Rehs	Rain for Rent	grehs@rainforrent.com
Jill Chamberlain	Brown & Caldwell	jschamberlain@brwncald.com
Jill Sylvester	NV5	jill.sylvester@nv5.com
Jimmy Dang	Oro Loma Sanitary District	jdang@oroloma.org
Justin Waples	CCCSD	jwaples@centralsan.org
Karl Yakich	EBMUD	kyakich@ebmud.com
Kevin Smith	EBMUD	smithk@ebmud.com
Kyle Broughton	Napa Sanitation District	kbroughton@napasan.com
Kyle Van Fleet	Rain for Rent	kvanfleet@rainforrent.com
Landon Lochrie	Castro Valley Sanitary District	landon@cvsan.org
Mark Wenlawski	CCCSD	mwenlawski@centralsan.org
Mark Wright	Specified Pipe	markewright@msn.com
Michael Laderman	CSG Consultants	michaell@csgengr.com
Michael Penny	CCCSD	mpenny@centralsan.org
Nancy Molina	CCCSD	nmolina@centralsan.org
Pam Hopkins	EBMUD	phopkins@ebmud.com
Renee Crawford	Hatch Mott McDonald	renee.crawford@hatchmott.com
Rob McMullin	EBMUD	rmcmulli@ebmud.com
Rudy Portugal	DSRSD	rportugal@dsrsd.com
Sasha Mestetsky	CCCSD	SMESTETS@centralsan.org
Thomas Vedder	P&F Distributors	tom@pfdistributors.com
Tom Hendrey	Whitley Burchett	thendrey@whitleyburchett.com
Walter Pease	City of Pittsburg	WPease@ci.pittsburg.ca.us

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Presentation: Specification and Design Considerations for Sewer Bypass by Kyle Van Fleet and Garret Rehs of Rain for Rent.

Highlights from the presentations include:

Mr. Van Fleet and Mr. Rehs presented Specification and Design Considerations for Sewer Bypass which included the following:

1. Specification Writing
 - a. Bypass projects have a clear risk vs cost relationship.
 - b. Not all bypass projects have the same risk parameters.
 - c. Goal of the Specifications
 - i. Give the Contractor enough detail with clear requirements so that the system installed matches the risk comfort levels and estimated budget.
 - d. Accurate flow rates, accurate plans and as-builts, pump station requirements, pipe/hose requirements, and submittals.
2. Pump Station design
 - a. Centrifugal
 - i. 28 feet of theoretical suction lift.
 - ii. Realistic is 15 to 20 feet of suction lift.
 - iii. Solids handling up to 3".
 - iv. Self priming.
 - b. Submersible
 - i. No suction lift, all discharge.
 - ii. Quiet and out of the way.
 - iii. Should be explosion proof.
 - c. Redundancy
 - i. Clearly define redundancy, % backup for pumps, pipe sizes, and pipelines.
 - d. Pump Watch
 - i. Easiest job until it's not.
 - e. Discharge material
 - i. Fused HDPE, vs. lay flat hose, aluminum pipe, and PVC.
 - ii. If not specified, Contractor will use cheapest methods.
 - iii. Discharge velocities.
3. Submittals
 - a. PE stamped and calculations.
4. Estimates
 - a. 2X's the flow is approximately 2.5X's the cost. Examples was 40 vs 20 MGD.

Handouts: None.

Thank you Kyle and Garrett for the outstanding presentation! We appreciate your help with PUG.

General:

January 21, 2014 Meeting Minutes: A motion was made to approve the minutes, which was seconded.

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Announcements:

2013/2014 Membership: The 2013/2014 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.

Financial Updates: The current total in the organization account is \$44,213.80.

PUG Board Elections in June: Forms for nominations will be distributed as the election gets closer.

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

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: California-Nevada Section: 2014 Spring Conference will be held at the Disneyland Hotel in Anaheim, CA from March 24-27, 2014. There will be a two-day Exhibit Hall, Two Luncheons, Opening Session, Receptions, and over 100 Technical Sessions. For more information, please go to www.ca-nv-awwa.org.

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

NASTT 2014 No-Dig Conference: 2014 No-Dig show Conference to be held on April 13-17, 2014, in Orlando, FL, located at Gaylord Palms.

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. None.

Trenchless Technology Webinar: I&I Mitigation: Rehabilitation of Sewer Laterals and Sealing Their Connection to the Main to be held on March 26, 2014 from 11AM – 12PM PST at no cost. Registration URL: www1.gotomeeting.com/register/941085233.

Trenchless World Magazine: In this issue: Bill Malcom and Dan Sharp were announced as new VPs. Electric auger boring machine offers more flexibility and control with a much lower noise level.

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

UCT Conference: Underground Construction Technology is holding their International Conference and Exhibition on January 28-30, 2014 at the George R. Brown Convention Center in Houston, TX.

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 opens on March 31, 2014. Conference will be held on September 27 – October 1, 2014 at the New Orleans Morial Convention Center in New Orleans, LA.

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:

Justin Waples of CCCSD spoke about an article titled “Trapped Under the Sea”. The article talks about 5 divers that go one mile down into the Boston Harbor and ten miles beneath the sea floor in a dry sewage tunnel with no breathable air. Article is attached.

Eniko Gaeto of ADS Pipe spoke about the installation of the 5th street Rail yard Viaduct that began in December of 2013 and includes ADS's HP pipe for both the storm and sanitary lines. The project required over 8,000 feet of 12' through 36" pipe. The HP pipe joints, which exceed the performance requirements of ASTM D3212 were critical on the project as there was high concern over gas from an abandoned hazardous materials site infiltrating the pipe joint. Productivity on the installation was very good and the contractor (Preston Pipelines) was enthused about the ability to move the light pipe with long lengths around the site. Several dozen representatives from other local agencies attended a site tour and were similarly impressed with the HP pipe's high stiffness and superior joints.

Bonneau Dickson, an independent consulting engineer asked if any of the agencies who were represented at the meeting issued industrial waste permits to dry cleaners as a part of their source control program. Kevin Smith of EBMUD and Michael Penny of Central Contra Costa Sanitary District said that they thought their agencies do. Later they sent additional information to Bonneau.

EBMUD has a Commercial Pollution Prevention Program that issues permits to: AutoBody/Repair Facilities; Boatyards; Dental Offices; Drycleaners; Educational Institutions; Furniture Stripping Shops; Photo Processing And Printing Facilities; Radiator Repair Shops; Restaurants/Food Service Establishments; and Vehicle Washing Facilities. Information about the program and sample permits can be found at <http://www.ebmud.com/water-and-wastewater/pollution-prevention/commercial-pollution-prevention-program#drycleaners>.

Tim Potter of Central San reported that they have a Zero Discharge permit program but decided not to apply it to dry cleaners. Instead, they use periodic inspections and enforcement. They modified the ordinance in 2007 to make the wording clearer but the standards, which had been in place for decades, were not changed.

Roberts McMullin of EBMUD spoke about several EBMUD projects. PUG will host a field trip opportunity in August 2014 to witness the construction and installation of large diameter pipelines at EBMUD's Claremont Center near the Hwy 24 and Hwy 13 intersection. The work includes the following pipeline installations:

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- 1,990 feet of 54-inch diameter mortar lined and coated steel (ML&CS) for the Sequoia Aqueduct replacement
- 840 feet of 54-inch diameter ML&CS pipe for the 59th Street Aqueduct replacement
- 285 feet of 54-inch diameter ML&CS pipe for the Wildcat Aqueduct replacement
- Additional valves and connections to pumping plants

Next Meeting:

The next general meeting is scheduled for Tuesday, April 8, 2014. The presentation topic is on Electro Scan, Inc. by Scott Hansen of Electro Scan, Inc. Please call Jimmy Dang at 510-481-6981 or email jdang@oroloma.org for additional information on this month's meeting minutes.