



## PIPE USERS GROUP Northern California

MINUTES  
October 19<sup>th</sup>, 2004

### **Attendees:**

Cindy Preuss	Harris & Associates	<a href="mailto:cpreuss@harris-assoc.com">cpreuss@harris-assoc.com</a>
Thom Kalkman	Carollo Engineers	<a href="mailto:tkalkman@carollo.com">tkalkman@carollo.com</a>
Stan Shogren	Kennedy Jenks	<a href="mailto:StanShogren@KennedyJenks.com">StanShogren@KennedyJenks.com</a>
Richard Davis	Kennedy Jenks	<a href="mailto:richarddavis@kennedyjenks.com">richarddavis@kennedyjenks.com</a>
Anna Chrissanthis	Kennedy Jenks	<a href="mailto:annachrissanthis@kennedyjenks.com">annachrissanthis@kennedyjenks.com</a>
Michael Penny	CCCSD	<a href="mailto:mjpenny@centralsan.dst.ca.us">mjpenny@centralsan.dst.ca.us</a>
Jonathan Lee	West Valley Sanitation Dist	<a href="mailto:jlee@westvalleysan.org">jlee@westvalleysan.org</a>
Derek Wurst	V&A Consulting	<a href="mailto:dwurst@vaengr.com">dwurst@vaengr.com</a>
Joyce Carlson	City of Oakland	<a href="mailto:jacarlson@oaklandnet.com">jacarlson@oaklandnet.com</a>
Jennifer Glynn	Brown and Caldwell	<a href="mailto:jglynn@brwncald.com">jglynn@brwncald.com</a>
Mark Soldati	Winzler & Kelly	<a href="mailto:marksoldati@w-and-k.com">marksoldati@w-and-k.com</a>
Allen Law	City of Oakland	<a href="mailto:atlaw@oaklandnet.com">atlaw@oaklandnet.com</a>
Kevin Calderwood	Brown and Caldwell	<a href="mailto:kcalderwood@brwncald.com">kcalderwood@brwncald.com</a>

### **General Discussion:**

#### **Executive:**

A PUG Administrator is needed to help review and distribute incoming seminar abstracts, coordinate with presenters and vendors, and assist with member outreach and registration, among other things. Jennifer Glynn (Jen) and Cindy Preuss will check around at Brown and Caldwell and Harris & Associates, respectively, for someone to fill these shoes. Desired hourly rate of admin person should be \$70 or less.

#### **Seminar Progress & Planning:**

Jen will send out the Call for Papers via email to PUG members immediately. Other advertising opportunities may include:

- BC Water News (daily news distribution) – try for blurb on front page
- EBME (East Bay Municipal Engineers) Member Roster
- NBE (North Bay Engineers) Member Roster
- Water Reuse Association
- CWEA – 1<sup>st</sup> Thursday of November
- BAWWA – 3<sup>rd</sup> Thursday of November
- EBMUD – Mary Hicks (also Chair of BAWWA)

The deadline for abstracts will be December 20<sup>th</sup> to allow sufficient time for selection of presenters and advertisement of seminar agenda to the public. Jen will consider a keynote speaker as well.

### **Website Development:**

Website is completed and ready to go except for the last couple biographies of the executive committee. Jennifer Glynn and Allen Law to send bios and photos ASAP so the site may go live.

**Presentation:** *LAVWMA Export Pipeline Project Update*, by Kevin Calderwood of Brown and Caldwell.

The Livermore-Amador Valley Water Management Agency's (LAVWMA) Export Pipeline Project is currently under construction. This project, now nearing completion, provides a new pump station and 16-mile long pipeline carrying treated effluent from the Livermore-Amador Valley area to San Francisco Bay. Existing welded steel pipeline is coated with coal tar epoxy that's peeling off at differing degrees of severity.

New pipeline specs: 36-inches, operating pressure of 225 psi, surge 300 psi, capacity 41 MGD with 19 MGD guaranteed to LAVWMA. Project cost at \$130 million, including appx. \$30 million in special agreements. The last 1500 feet of the existing 27-inch pipe remains in place since the USACE required mitigation for constructing in this area is considered excessive and/or unreasonable.

During construction, a few things have been noted:

- 1) Trench shoring design relative to heavy equipment setbacks should be looked at closely; construction inspector needs to ensure that equipment isn't directly adjacent to trench opening if shoring not designed for this loading.
- 2) In order to maintain integrity of existing utility trench backfill, a five-foot edge-to-edge separation between existing and proposed facilities should be required.
- 3) It is recommended that the pressure test length of the proposed pipeline be spec'd out so that the Contractor doesn't attempt a pressure test on the entire length after the pipe is already laid. Testing shorter segments could save everyone time and money.

Things to consider for any pipeline construction project:

- **Existing utility trenches should be grout-stabilized**
- **Easement coordination is critical**
- **Select alignment to minimize impacts**
- **Geotechnical data is essential**
- **Communication is vital**
- **Actual size of larger diameter utilities should be shown on drawings**
- **Construction Management coordination with Geotechnical and Corrosion Control is important**
- **Extensive materials testing is encouraged**

### **Next Meeting:**

Our next meeting will be held the 3<sup>rd</sup> Tuesday of the month, November 16<sup>th</sup> at the offices of Brown and Caldwell. Please call (925-210-2307) or e-mail Jennifer Glynn (jglynn@brwncald.com) to RSVP.