



PLANT OPERATIONS & MAINTENANCE (O&M) COMMITTEE

Presents a

HANDS-ON SEMINAR

Wednesday, June 23, 2010

8:00 am – 8:30 am: Registration & Coffee

8:30 am – 3:30 pm: Hands-On Seminar

at

Union Sanitary District (USD)

Door Prizes!

Door Prizes!

Registration is \$40 (CWEA members); \$55 (non-members)

Lunch and Refreshments Provided

Attendance is limited to 60 participants – RSVP by June 16, 2010

REGISTER: email (preferred) keely.nelson@lee-ro.com
or call Keely Nelson at (925) 627-3387

Note: Bring a coat as this is an outdoor event.

Note: If you are unable to attend, please cancel by June 16th, or send a substitute.

OVERVIEW: Participants will attend five 50-minute hands-on sessions during this day-long training seminar. **A total of 5.5 contact hours are available.** The following equipment and topics will be covered:

- **NETZSCH PUMPS / SHAPE INC. – “SLUDGE AND SCUM PUMPING USING PROGRESSING CAVITY AND ROTARY LOBE PUMPS”** *Covers the operating principles, components and features of progressing cavity pumps and rotary lobe pumps. We will discuss applications within a wastewater plant and cover maintenance teardown.*
- **ASHBROOK SIMON-HARTLEY – “SLUDGE THICKENING WITH GRAVITY BELT THICKENERS”**. *Ashbrook Simon-Hartley will provide hands-on training for the gravity belt thickening (GBT) units such as; process variables, polymer dosing and in-line mixing, performance calculations, filter belt maintenance, filter belt binding troubleshooting, and other operational applications.*
- **ANDRITZ SEPARATION INC. - “MAINTENANCE AND INNOVATIONS IN CENTRIFUGES”** *Covers operation and maintenance requirements for centrifuge dewatering using a trailer mounted demonstration unit. During this demonstration, we will extract the scroll from the bowl, all in less than an hour.*
- **POLYBLEND / G3 ENGINEERING and POLYDYNE – “POLYMER BLENDING UNITS AND POLYMER CHOICE”** *A trailer mounted demonstration polymer feed system will be utilized for this training session. Selection of dry and wet type polymers will be covered.*
- **ROSEMOUNT / EMERSON PROCESS MANAGEMENT – “INSTRUMENTATION IN SOLIDS HANDLING APPLICATIONS”** *The Rosemount level presentation will focus on sludge and solids measurement applications, specifically sludge blanket interface level measurement and control on settlement tanks and sludge thickeners. In addition, sludge density measurements, such as percent solids in these tanks, will be discussed. The Rosemount flow presentation will focus on use of magnetic flowmeter transmitter technologies that are compatible with legacy magnetic flow tubes and deliver meter verification and operational diagnostics.*

DIRECTIONS:

Going south on Interstate 880: Exit at Whipple Road (before the large shopping center marquees). At the end of the ramp, continue straight through the intersection (west) on Whipple Road. Turn left on Union City Blvd. Turn right on Bettencourt Way and continue until it dead ends. Turn left on Whipple Road. Follow it around the curve and it turns into Benson Road. Continue straight into the visitor parking lot.

Going north on Interstate 880: Take Interstate 880 north to Union City. Exit at Alvarado Niles Road and go right at the end of the off-ramp (west). The road narrows down and turns into Smith Street. Turn right on Union City Blvd. Turn left on Bettencourt Way (first stoplight) and continue until it dead ends. Turn left on Whipple Road. Follow it around the curve and it turns into Benson Road. Continue straight into the visitor parking lot.

Union Sanitary District
Wastewater Treatment Plant and Administration Building
5072 Benson Road
Union City, CA 94587-2508