

LEUCADIA WASTEWATER DISTRICT
Minutes of an Engineering Committee Meeting
July 10, 2018

A meeting of the Engineering Committee (EC) of Leucadia Wastewater District (LWD) was held on Tuesday, July 10, 2018 at 8:30 a.m., at the LWD Administration Office located at 1960 La Costa Avenue, Carlsbad, California.

1. Call to Order

Chairperson Juliussen called the meeting to order at 8:30 a.m.

2. Roll Call

DIRECTORS PRESENT: Juliussen and Kulchin

DIRECTORS ABSENT: None

OTHERS PRESENT: General Manager Paul Bushee; Technical Services Manager Robin Morishita; Field Services Superintendent Jeffery Stecker; and District Engineer Dexter Wilson.

3. Public Comment

None.

4. New Business

None.

5. Information Items

A. Update of the Poinsettia Train Station Parallel Gravity Pipeline Project.

TSM Morishita presented an update of Poinsettia Train Station Parallel Gravity Pipeline Project. He explained that two of the pre-purchased manholes, Manholes No. 2 and 3, were installed. He continued that the manholes were tested and the seams welded. TSM Morishita stated that a pump station shutdown was scheduled for 2:00 am to 5:00 am on July 10th to install a flow through plug in the Occidental Trunk Line Manhole. He continued that an unexpected rain event caused flooding in the manhole pit and the shutdown was delayed to the early morning of July 11th. He explained once the flow through plug is installed, the Occidental Manhole will be core drilled and connected to new Manhole No. 2. TSM Morishita said that once that connection is completed work will shift to the west side of the tracks to install the new Manhole No. 4.

B. Control of Hydrogen Sulfide and Odors in Leucadia Force Mains L1 and L2.

DE Wilson presented information regarding the control of hydrogen sulfide and odors in the Leucadia Force Mains. He stated that previously the District was using Bioxide as an odor control chemical. He explained how Bioxide generally works to prevent the formation of hydrogen sulfide (H₂S). DE Wilson said that based on the high readings of H₂S at the ends of the Leucadia Force Mains, staff determined that Bioxide needed to be replaced with another chemical. He continued that based on lower cost, the District decided to conduct a trial using ferrous chloride (FeCl₂). He explained how FeCl₂ removes the H₂S from wastewater through precipitation. DE Wilson stated that

the readings have demonstrated that FeCl_2 has significantly reduced the levels of H_2S . He continued that staff will also evaluate super oxygenation for H_2S control. He said that if staff elects to continue using FeCl_2 staff will bid the FeCl_2 supply contract to select the vendor.

6. Directors' Comments

None.

7. General Manager's Comments

None.

8. Adjournment

Chairperson Juliussen adjourned the meeting at approximately 9:12 a.m.



Paul J. Bushee,
Secretary/Manager
(Seal)