

LEUCADIA WASTEWATER DISTRICT
Minutes of an Engineering Committee Meeting
May 6, 2015

A meeting of the Engineering Committee (EC) of Leucadia Wastewater District (LWD) was held on Wednesday, May 6, 2015 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; Field Services Supervisor Marvin Gonzalez; District Engineer Steve Deering; and Kristin Norton from Titan Engineering & Consulting LLC.

3. Public Comment

None.

4. New Business

- A. Receive and file the Hazard Preparedness & Mitigation Plan completed by Titan Engineering & Consulting, LLC.

TSM Morishita presented staff's recommendation noting this item is a FY 2015 tactical goal. He said that natural disasters such as floods, earthquakes and tsunamis occur with little warning and have the potential to be very destructive. He continued that because wastewater collection systems use gravity to perform their function efficiently, collection points are typically in areas of low elevation which are at high risk for natural disasters. TSM Morishita said that to address this issue, staff selected Kristin Norton (Titan Engineering & Consulting, LLC) to assist with developing a Hazard Preparedness & Mitigation Plan. TSM Morishita introduced Kristin Norton to give the presentation.

Ms. Norton briefed the EC on the Plan. Ms. Norton described the baseline understanding of the natural hazards that could affect the District's infrastructure and how asset vulnerability was established. Next, she explained the mitigation strategies that were developed to reduce the risks resulting from those natural hazards. Ms. Norton presented the prioritized mitigation measures for implementation.

Director Kulchin asked how often the District completes a Hazard Preparedness Plan. GM Bushee answered that this was the first time and that staff has not thought about how often it will be updated. However, some of the mitigation measures will be implemented over a long period.

Chairman Juliussen asked what is the next step. GM Bushee answered that some of the mitigation measures will be considered during the design of the Saxony Pump Station Rehabilitation and the L1 Force Main West Section Replacement projects currently in design. Other measures will be evaluated for feasibility when those assets are repaired, replaced or rehabilitated.

After discussion, the EC concurred with staff to recommend that the Board receive and file the

Hazard Preparedness & Mitigation Plan at the May 2015 Board meeting.

- B. Authorize the General Manager to execute a proposed change order with Burtech Pipeline, Incorporated for additional work to adjust the alignment of the B1/B2 Force Mains for an amount not to exceed \$37,980.

TSM Morishita presented staff's recommendation. He stated that the project alignment called for B1/B2 to cross diagonally through the middle of the intersection of Coast Highway 101 and Breakwater Lane. He said that prior to construction through the intersection, Burtech potholed the area to accurately locate identified underground utilities. TSM Morishita said that based on the results of the potholing, the B1/B2 alignment through the intersection required modification to resolve conflicts caused by the actual location of buried utilities. He stated that the modification added six additional angle points (restrained joints), four for horizontal realignment and two for vertical realignment. He explained that the change order is for the additional fittings and labor required for installation. He said that the time and material costs for this work is \$37,978.26. TSM Morishita stated that the work and costs associated with this change order have been reviewed by staff and are considered to be fair and reasonable.

After discussion, the EC concurred with staff to recommend that the Board approve the change order for the realignment of B1/B2 Force Mains at the May 2015 Board meeting.

- C. Authorize the General Manager to execute a two-year extension to the DUDEK Professional Services Agreement for as needed engineering consulting services.

TSM Morishita presented staff's recommendation. He said that Dudek's initial contract period was for 3 years with an option to extend for 2 additional years.

He explained that the initial three-year period of the DUDEK agreement will expire on June 30, 2015. TSM Morishita stated that based on DUDEK's performance and commitment to the District, staff is recommending that the option for a two-year contract extension be executed. He said that overall, DUDEK has performed well and they are recognized as a valuable asset.

After discussion, the EC concurred with staff to recommend the execution of a two-year extension of DUDEK's professional services agreement to the Board at the May 2015 Board meeting.

- D. Challenges posed by Storm Water Regulations.

DE Deering presented this item to the EC. He identified three potential storm water issues that may impact the District as follows:

- General Permit for Industrial Storm Water Discharge
- Sewer Overflow Monitoring Plan
- Municipal Separate Storm Sewer System (MS4) Priorities

Chairman Juliussen asked if anyone does upstream sampling of San Marcos Creek. GM Bushee answered that there are several Non-Governmental Organizations, for example Heal the Bay, that sample the creek. Additionally, the District does upstream sampling of San Marcos Creek on a quarterly basis.

After discussion, the EC concurred with staff to present this item to the Board for discussion and direction at the May 2015 Board meeting.

E. Discuss and provide direction on potential District security issues.

GM Bushee explained that during the April 2015 Board meeting, President Juliussen requested that the May Engineering Committee agenda include an item to discuss potential security issues at the District.

Chairman Juliussen stated that he is concerned that the District Office does not have security cameras. He is concerned about the safety and security of the staff.

GM Bushee stated that the installation of security cameras was discussed during the design of the Site Improvement Project. At that time, staff believed that a security camera is not needed in the Headquarters Building. The Server and SCADA rooms are locked when not occupied. The building is alarmed and monitored for security breaches and fire by Rancho Santa Fe Security. Equipment such as portable generators and pumps are securely housed in the auxiliary buildings.

FSSupervisor Gonzalez mentioned that all the pump stations have intrusion alarms that are transmitted to the On-Call Field Services Technician by SCADA when they are breached.

Chairman Juliussen was satisfied with the response and that the EC determined that there is no further action required on this item.

5. Information Items

A. B1/B2 Force Mains Replacement Project Update

TSM Morishita presented a status update of the B1/B2 Force Main Replacement Project. He provided an overview of the completed work to date. He reported that Burtech Pipeline has completed the majority of the B1/B2 Force Main installation and is working on the Cure-in-Place Pipe (CIPP) lining of the Lanikai Trunk Line. He said Burtech remains on track for the June 2015 completion date.

B. Leucadia Pump Station Generator Replacement Update

TSM Morishita provided an overview of the completed work to date. He reported that NEWest has installed the auxiliary fuel tank and is currently working on completing the electrical portion of the work.

C. L2 Force Main Anode Replacement Project Update

TSM Morishita presented this item. He said that Farwest Corrosion Company installed four sacrificial anodes on the Leucadia (L2) Force Main as a result of the annual Cathodic Test Station inspection of the force mains conducted in 2014.

Chairman Juliussen asked if cathodic protection is effective on the force mains. DE Deering answered that it is very effective in protecting the force mains from external corrosion.

6. Directors' Comments

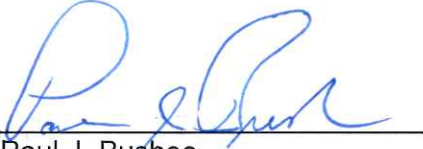
None.

7. General Manager's Comments

GM Bushee informed the EC of a 24 gallon B2 Force Main Sewer System Overflow (SSO) that occurred on Tuesday, May 5th, when the force main was being placed into service for the first time. The cause of the SSO was an open blow off valve on the new B2 Force Main. Prior to placing the B2 into service Burtech was asked if the blow off valves were closed. The supervisor answered yes. The water that was spilled was potable water used to pressure test the pipeline for acceptance.

8. Adjournment

Chairperson Juliussen adjourned the meeting at approximately 10:00 a.m.



Paul J. Bushee,
Secretary/Manager
(Seal)