

LEUCADIA WASTEWATER DISTRICT
Minutes of an Engineering Committee Meeting
April 2, 2014

A meeting of the Engineering Committee (EC) of Leucadia Wastewater District (LWD) was held on Wednesday, April 2 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 Robert Weber and Jamie Fagnant from Infrastructure Engineering Corporation

3. Public Comment

4. Old Business

None.

5. New Business

- A. Receive and file the Recycled Water Effluent Line Creek Crossing Project Preliminary Design Report completed by Infrastructure Engineering Corporation.

TSM Morishita presented the item to the Committee for information and discussion. He stated that the section of the recycled water effluent line that crosses San Marcos creek in the La Costa South Golf Course requires repair. He explained that the completion of the Batiquitos Lagoon Restoration in the 1990s caused bank and stream-bed erosion in the upstream section of San Marcos Creek exposing the pipeline. Therefore, the recycled water line requires replacement to prevent possible damage from debris in the creek striking the exposed line.

TSM Morishita said that Infrastructure Engineering Corporation (IEC) has completed the Preliminary Design Report (PDR) for the project. He explained that IEC evaluated the two most feasible trenchless construction methods, jack and bore and Horizontal Directional Drilling (HDD), to install the pipeline under the creek bed. TSM Morishita stated that IEC recommends replacing the recycled water pipeline creek crossing with a new underground crossing in the same alignment as the existing line utilizing HDD based on the following key points:

- HDD will avoid constructing deep work pits that would require over-excavation for a working platform, additional dewatering, and a significant amount of shoring.
- It is expected that HDD will minimize construction duration to an estimated 20 days instead of 40 days for jack and bore.
- HDD is expected to cost significantly less than jack and bore with an estimated cost savings of \$93,120.

Director Juliussen asked if the old Asbestos Cement Pipe (ACP) will be removed to prevent future liability. Staff explained that the line is submerged in the creek which minimizes the risk of airborne asbestos contamination from a pipe fracture.

After discussion, the EC concurred with staff to present the PDR to the Board for acceptance at the April 2014 Board meeting.

6. Information Items

A. La Costa Pump Station Rehabilitation Project

TSM Morishita reported that the refinements to the pump station's electrical circuitry have been diagrammed for installation. He said that construction is scheduled to commence next week.

B. Leucadia Pump Station Generator Replacement Project

TSM Morishita briefed the committee that the 660 gallon fuel tank on the generator is under sized. He stated that NEWest has submitted a proposal to install a 340 gallon auxiliary tank on the generator to meet contract specifications. TSM Morishita said that the design team needs more detailed information to complete a thorough evaluation. He said that a response will be sent to NEWest requesting specific details associated with the proposal.

C. Gravity Line Rehabilitation Project

TSM Morishita reported that Sancon has completed the rehabilitation of the 5 additional manholes and lining of 4 additional lines. He said that staff is working with Sancon on final costs because the additional work was done on a time and materials basis instead of a fixed cost quote to reduce construction costs.

D. B2 Force Main Replacement Project

TSM Morishita reported that IEC's Environmental Section has started on the required California Environmental Quality Act (CEQA) process. He stated that the force main alignment in the Ponto Village is being evaluated because environmentally sensitive vegetation was planted over the force main when the Highway 101 ramps were demolished. The realignment of the force main may reduce the amount of vegetation impacted by the project.

7. Director's Comments

None.

8. General Manager's Comments

None.

9. Adjournment

Chairperson Juliussen adjourned the meeting at approximately 8:57 a.m.



Paul J. Bushee,
Secretary/Manager
(Seal)