

**AGENDA**

**ENGINEERING COMMITTEE MEETING  
LEUCADIA WASTEWATER DISTRICT**  
Wednesday, June 1, 2016 – 8:00 a.m.  
1960 La Costa Avenue, Carlsbad, CA 92009

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- 1. Call to Order**
- 2. Roll Call**
- 3. Public Comment**
- 4. New Business**
  - A. Adopt Resolution No. 2278 revising the Leucadia Wastewater District's Standard Specifications and Procedures for Wastewater Facility Projects. (Pages 2 – 6)
- 5. Information Items**
  - A. Saxony Pump Station Rehabilitation Project update. (verbal)
  - B. Scott's Valley Pipeline Rehabilitation Project completion. (verbal)
- 6. Director's Comments**
- 7. General Manager's Comments**
- 8. Adjournment**

## MEMORANDUM

**DATE:** May 27, 2016  
**TO:** Engineering Committee  
**FROM:** Paul J. Bushee, General Manager   
**SUBJECT:** Revision of Leucadia Water District Standard Specifications and Procedures for Wastewater Facility Projects

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**RECOMMENDATION:**

Staff requests that the Engineering Committee recommend that the Board of Directors:

1. Adopt Resolution No. 2278 revising Leucadia Wastewater District's Standard Specifications and Procedures for Wastewater Facility Projects.
2. Discuss and take other action, as appropriate.

**DISCUSSION:****Tactical Goal: Services / Update LWD Standard Specifications**

The Leucadia Wastewater District (LWD) adopted its existing Standard Specifications in November 2006 and then revised it in 2009 and 2013. The Standard Spec, as it is known, is a comprehensive document that lays out the administrative and technical procedures for private parties to connect to the LWD collection system. The existing Standard Spec has been an invaluable tool for staff in helping developers throughout the District. Maintaining up-to-date Design and Performance Provisions are a mandated element of the Sewer System Management Plan (SSMP) required by the Statewide Waste Discharge Requirements (WDR).

As regulations change and management practices become more refined over time, staff believes it is prudent to revise the Standard Spec accordingly. Staff has been in the process of updating the Standard Spec for the past year, and this effort was included as one of LWD's Fiscal Year 2016 Tactical Goals. Strategically, staff decided to first review and amend the Equivalent Dwelling Unit Factors Capacity Fee Schedule by Ordinance No. 133. The Ordinance was adopted by the Board of Directors in April 2016. The Capacity Fee Schedule, previously included in both the Ordinance and Standard Spec, is removed from the Standard Spec to prevent confusion and reduce possible errors associated with listing data in two different documents.

The District Engineer, General Counsel, and staff have spent a considerable amount of time reviewing and revising the Standard Spec to reflect current conditions. Although the update is comprehensive, key revisions can be summarized as follows:

1. Includes the 2015 version of the "Greenbook" as the base reference document for construction of LWD sewers.

2. Legal review and update of Development processing procedures and all Standard Agreements and related documents in the Appendices of the Standard Spec.
3. The Standard Notes and Standard Drawings have been updated.
4. Manhole lining requirements with T-lock PVC for new manholes and epoxy or urethane for existing manholes have been confirmed as reasonable and will continue.
5. The Standard Spec has continued to be updated and coordinated with the current LWD Sewer Ordinance 128, adopted on May 8, 2013.
6. A more detailed list of the principle changes and updates recommended for the LWD Standard Specification Update is attached for your information.

District Engineer Steve Deering will present an overview of the revised and updated Standard Spec at the meeting. General Counsel Wayne Brechtel will also present a legal overview and be available to answer questions. As the Greenbook was updated and republished in 2015 and there has been a thorough review and update of the LWD Standard Spec requirements, staff is recommending that the 2016 Standard Specifications be adopted as presented.

Resolution No. 2278 is attached for your review. A copy of the Standard Specification is available upon request.

**FISCAL IMPACT:**

There is no direct fiscal impact associated with this recommendation. All privately constructed wastewater facilities are funded by the subject private party.

sld:PJB

Attachment

## LWD Standard Spec, June 2016 - Changes and Updates

### Division 1 - Sewer System Procedures Planning and Design

- Part 1 Preparation and Processing of Wastewater Facility Projects by Developers
- 1 Clarify review and inspection of private laterals, pump stations, grease interceptors
  - 2 Specifically require city Right-Of-Entry permits prior to work in public ROW
  - 3 Update Fats Oils Grease related definitions and abbreviations to match industry
  - 4 Include odor control responsibility by Owners for private pump stations in permit
  - 5 Add procedures for emergency LAFCO approval of failed septic systems
  - 6 Add waiver option for simple fence encroachments in easements
  - 7 Require 3-week look ahead schedule(s) from development contractors
  - 8 Provide overall legal review of Temp Service & dedication/acceptance process
- Part 2 Sewer System Planning Guidelines
- 1 Add wastewater strength discussion to match Ordinance 133 re EDUs
  - 2 Delete EDU factors table from Std Spec and refer to Ordinance 133
  - 3 Update FOG discussion to reflect current industry standards
  - 4 Update plastic MH discussion. Allow Predl and Polymer Concrete MH options
  - 5 Update tie-in to existing sewer requirements and details
- Part 3 Sewer System Design
- 1 Overall Std Spec & Standard Notes review for Trench Safety requirements
  - 2 Require CCTV of existing sewer to be crossed over or under within 3' vertical

### Division 2 - Sewer System Standard Technical Specifications (Greenbook Mods)

- Part 1 General Provisions
- 1 Emphasize cut-in work to be in presence of Inspector
  - 2 Require 3-week look ahead schedule & updates
  - 3 CCTV existing sewer before and after any crossings
  - 4 Require iD ball markers for all non-metallic forcemain
- Part 2 Construction Materials
- 1 Minor review and update throughout
- Part 3 Construction Methods
- 1 Coordinate LWD requirements with substantial new Greenbook Section 306
- Part 5 System Rehabilitation
- 1 Update Manhole & Rehabilitation Lining Systems Table

### Division 3 - Standard Notes & Drawings

- GN & LN Minor updates to notes
- S32 Add Type III Lateral Cut-in for Larger VCP tap-ins

### Appendices

- All Minor Updates Throughout With Emphasis on Coordination of Dedication

**RESOLUTION NO. 2278**

**A RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE LEUCADIA WASTEWATER DISTRICT  
REVISING THE STANDARD SPECIFICATIONS AND PROCEDURES FOR THE  
WASTEWATER FACILITY PROJECTS**

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**WHEREAS**, the Board of Directors of the Leucadia Wastewater District (LWD) desire to provide requirements and guidelines in the form of standard specifications for the processing of wastewater facility improvement plans and for the materials and methods of construction of such facilities;

**WHEREAS**, it is in the public interest to provide standard requirements to provide the public and LWD with well defined, concise, and understandable procedures for the processing of sewer improvement projects which, upon approval and acceptance by LWD will be owned and operated by LWD on behalf of District customers;

**WHEREAS**, Leucadia Wastewater District (LWD) Resolution No. 2231, approved on April 10, 2013 adopted standard specifications for the processing of privately constructed wastewater facilities; and

**WHEREAS**, LWD has completed a review of its standard specifications and determined that updates and changes are required;

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF LEUCADIA WASTEWATER DISTRICT AS FOLLOWS:**

1. The Board of Directors of the Leucadia Wastewater District does hereby rescind Resolution No. 2231 and adopts in its place and stead the Standard Specifications for the Design and Construction of Privately Constructed Wastewater Facilities attached hereto as Exhibit A;

2. The Board of Directors hereby delegates authority to the District General Manager to accept approved dedicated sewer facilities and any easements and/or rights of way necessary for such facilities on behalf of the Leucadia Wastewater District. In the discretion of the General Manager, acceptance of said sewer facilities and/or easements or rights of way may be referred to the LWD Board of Directors for acceptance.

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**PASSED AND ADOPTED** by the Board of Directors at a meeting of the Leucadia Wastewater District held June 8, 2016 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

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Donald F. Omsted, President

ATTEST:

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Paul J. Bushee, Secretary/Manager

(SEAL)