

**AGENDA**

**ENGINEERING COMMITTEE MEETING  
LEUCADIA WASTEWATER DISTRICT  
Wednesday, January 3, 2018 – 8:30 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**
5. **Information Items**
  - A. Emergency Repair of the Secondary Effluent Force Main. (Pages 2 - 3)
  - B. Update of the Poinsettia Station Gravity Pipeline Project. (verbal)
6. **Directors' Comments**
7. **General Manager's Comments**
8. **Adjournment**

MEMORANDUM

Ref: 18-6057

DATE: December 28, 2018  
TO: Engineering Committee  
FROM: Paul J. Bushee, General Manager   
SUBJECT: Emergency Repair of the Secondary Effluent Force Main

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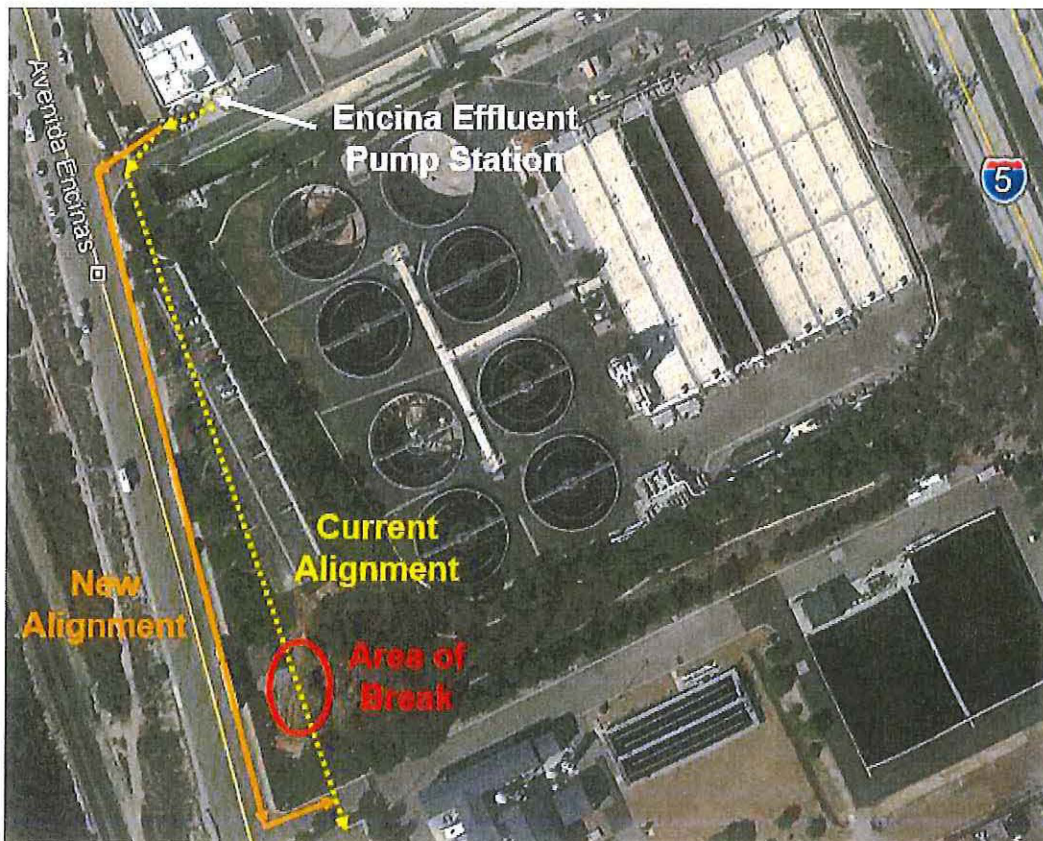
**RECOMMENDATION:**

This item is presented for information purposes.

**DISCUSSION:**

On December 14, 2017 the Secondary Effluent Force Main (SEFM) ruptured in the southwest corner of the Encina Wastewater Authority (EWA) property just north of the entrance to the Carlsbad Water Recycling Plant, see picture below. EWA reported the leak to the District. The SEFM was secured to stop the leak.

This section of the SEFM ruptured in the same vicinity and was repaired in October 2016. Based on this previous event, staff planned and budgeted for the replacement of this section in Fiscal Year 2018. However, in an effort to take advantage of the federal Water Infrastructure Improvements for the Nation (WIIN) Act of 2016, staff included the replacement of this section of the SEFM as part of the North San Diego Water Reuse Coalition (NSDWRC) Project WIIN grant application. Unfortunately, the NSDRWC project was not selected by the Bureau of Reclamation for the initial phase of WIIN funding.



This new fracture indicates that the repair or replacement of the SEFM should not be delayed to seek possible grant funding. Therefore, staff met with Jamie Fagnant and Marie Fawcett (Infrastructure Engineering Corporation - IEC), and District Engineer Dexter Wilson to discuss repair or replacement alternatives. As a result, it was determined that the preferred alternative would be to construct approximately 750 feet of new 16 inch polyvinyl chloride (PVC) line in Avenida Encinas to replace and bypass the northern most section of the SEFM, see picture on previous page. The estimated cost for this repair is approximately \$150,000. Staff considers this an emergency repair. Additionally, staff is targeting to have the SEFM replacement constructed during the plant shutdown for the Gafner Improvement Project. The plan of action is IEC will develop project plans / specifications and staff will request a quote from Burtech Pipeline, B1/B2 Force Main Replacement Project contractor, to construct the replacement force main. The Engineering Committee will receive a presentation and discuss this matter at the meeting.

rym:PJB