



## ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, ZONE 7

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**ORIGINATING SECTION:** ADMINISTRATION  
**CONTACT:** JILL DUERIG

**AGENDA DATE:** August 16, 2017

**ITEM NO.** 14a

**SUBJECT:** GENERAL MANAGER'S REPORT

**SUMMARY:** The following highlights a few of the key activities which occurred last month. Also attached is a list of the General Manager (GM) contracts executed during July.

### Engineering and Flood Control:

- Design of the Del Valle WTP ozonation facility is proceeding with the 60% design submittal received in July. Staff went out and conducted some biological reconnaissance on the potential for nesting birds within the project limits; this will facilitate better mitigation for any potential construction impacts as a result of nests found within the February-August nesting bird window; an Initial Study/Mitigated Negative Declaration (IS/MND) was recorded at the county. Staff met with the Deputy County Fire Marshall on July 20<sup>th</sup> to do a preliminary review of the project and get their initial comments.
- On July 21<sup>st</sup>, the State Water Resources Control Board-Division of Drinking Water published a proposed regulation for "Surface Water Augmentation Using Recycled Water." Review of the proposed regulations is proceeding to determine if there is any impact on potable reuse feasibility.
- The Water Research Foundation (WRF) approved the research proposal prepared by the Alameda County Water District (ACWD) and Arcadis entitled "Optimizing Biofiltration for Improved Manganese Control under Winter Conditions." Sponsors include ACWD, Santa Clara Valley Water District, Zone 7 and DC Water. Manganese breakthrough has been observed on occasion in the winter months so this study will help identify treatment tools to avoid this. While manganese is not a primary (health-related) drinking water standard, it is regulated as a secondary (aesthetic) contaminant since it can cause color in the water.
- Zone 7 and the other South Bay Contractors are also supporting CDM Smith in pursuing a project with WRF entitled "Occurrence of Bromide and Iodide in Water Supplies." The purpose of the project is to increase understanding of the occurrence and fate of brominated and iodinated compounds, which are precursors for several regulated disinfection byproducts.
- Staff received an email from Hanson Aggregates concerning the Lake H diversion project; they transmitted copies of their draft applications to the Regional Board/RWQCB (section 401 permit) and the CA Department of Fish and Wildlife (section 1602 Permit). Staff is reviewing the drafts and will get any comments to Hanson prior to their finalizing and submitting the applications.
- Zone 7 received the third of the three required permits for the emergency bank repair work

on the Arroyo de la Laguna at 7852 Foothill so designs can be finalized (60% designs were submitted for the permitting) and construction can soon be scheduled. The project is on track to be completed well before the rainy season begins.

- Staff met with County Public Works to discuss the County's effort to update their stream and rainfall gauging network and coordinating data with Zone 7's system, to enhance both the County's and Zone 7's Early Warning System for flooding events.
- Zone 7's contractor is constructing a log crib wall in the bank of Line F-4, a flood control facility; this is a green solution favored by the regulators and the first in Zone 7's system.

#### Environmental and External Affairs:

- Following the Oroville Main Spillway failure earlier this year, DWR is scheduling inspections of all their other dams. Included in the list of structural inspections to be performed are Del Valle, Patterson and Bethany.
- The first public meeting for the Arroyo Mocho Medeiros-Granada Project was held on July 20<sup>th</sup>. Seventeen members of the public participated. Generally, the neighbors were receptive to the conceptual plans for the project. Most concerns that were expressed were not directly related to Zone 7 (such as control of homeless and reduction of fire hazards, both of which are the responsibilities of the City of Livermore).
- The data from Morrison & Associates for the 2016-17 school year program included 531 classroom presentations to approximately an estimated 13,965 students, in addition to various school outreach events such as the Sunol Elementary STEAM event, the Livermore Science Odyssey, the Hart Middle School STEAM night, the Amador High School Health Quest and Ag Day at Livermore High School.

#### Operations and Maintenance:

- Algae remain a challenge this year. As the geosmin-producing algae decreased near the beginning of the month allowing Powdered Activated Carbon (PAC) feed to be discontinued, the treatment plants saw a rise in filter-clogging algae which are more of an operational issue than a water quality issue. Later in the month, filter-clogging algae remained present in the source water while geosmin levels again began to rise so PAC feed was reinitiated and gradually ramped up to the maximum level by the end of the month.
- A new article in Water World touts the advantages of proactive (vs. reactive) maintenance: [http://digital.waterworld.com/waterworld/201707/?sub\\_id=e6BSQZxrNNfn&pg=17#pg17](http://digital.waterworld.com/waterworld/201707/?sub_id=e6BSQZxrNNfn&pg=17#pg17).

#### Administration:

- Staff are in discussions with the Power and Water Resources Pooling Authority (PWRPA) to get a final site plan layout for the "intervening facilities" needed to be able to purchase electricity from PWRPA (at a lower price than PG&E power) for the new ozonation facility at the Del Valle WTP.
- The final FY 2017-18 Amended Budget, adopted by the Board on June 21, 2017, is now available on the Zone 7 website (<http://www.zone7water.com/publications-reports/financial-documents/36-public/content/161-our-annual-budget>).

## Monthly List of GM Contracts

July 2017

Contracts:

Cameron-Cole, LLC	\$ 5,485	Greenhouse gas inventory verification
Davis & Associates	\$ 6,828	Website security and technical support
Jan-Pro Cleaning Systems	\$14,200	Janitorial services
WorkSmart Automation, Inc.	\$15,250	Reporting and database support services
Associated Right-of-Way Services	\$30,000	Real property assistance
NRC Environmental Services, Inc.	\$50,000	Removal and disposal of hazardous and universal waste from Zone 7 facilities
Geocon Consultants, Inc.	\$50,000	Materials testing support services
<b>TOTAL July 2017</b>	<b>\$171,763</b>	