



FEMA

July 28, 2011

RECEIVED

AUG 01 2011

Rancho Murieta
Community Services District

Mr. Paul Siebensohn
Rancho Murieta Community Services District
15160 Jackson Road
Rancho Murieta, California 95683

Dear Mr. Siebensohn:

This correspondence is in reference to the January 19, 2011, letter and data submission to the U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding certification of the City of Rancho Murieta Michigan Bar and Airport Levee System within Sacramento County in order to meet the criteria of the Code of Federal Regulations, Title 44, Section 65.10 (44 CFR 65.10). The pertinent information regarding the specific levees is listed below.

Identifier:	Airport Levee and Michigan Bar Levee System (Levee ID Nos. 8068 and 8069)
Flooding Source:	Cosumnes River
FIRM panel affected:	06067C0400H

In support of the Michigan Bar and Airport Levee System certifications the following information was submitted:

1. A Levee Certification Summary titled: *Rancho Murieta CSD Levee Evaluation*, prepared by Carlton Engineering Inc. Signed by Nathan L. Bowersox, P.E., and David B. Jermstad, P.G., dated December, 2010
2. A Provisionally Accredited Levee Agreement titled: *Provisionally Accredited Levee (PAL) Agreement Form for Sacramento County*, prepared by the Rancho Murieta Community Services District, Signed by Paul Siebensohn, P.E., , dated January 12, 2009
3. A Levee Operations and Maintenance Plan prepared by the Rancho Murieta Community Services District.

The report by Carlton Engineering Inc. was reviewed to verify if the information required under 44 CFR 65.10 was included. The following is a summary of the review:

1. Freeboard: Analysis and Supporting Documentation was reviewed and found to be in compliance with 44 CFR 65.10(b)(1).
2. Closures: Analysis and Supporting Documentation was reviewed and found to be in compliance with 44 CFR 65.10(b)(2).

Mr. Paul Siebensohn
July 28, 2011
Page 2 of 3

The report by Rancho Murieta Community Services District was reviewed to verify if the information required under 44 CFR 65.10 was included. The following is a summary of the review:

1. Embankment Protection: Analysis and Supporting Documentation was reviewed and found to be in compliance with 44 CFR 65.10(b)(3).
2. Embankment and Foundation Stability: Analysis and Supporting Documentation was reviewed and found to be in compliance with 44 CFR 65.10(b)(4).
3. Settlement: Analysis and Supporting Documentation was reviewed and found to be in compliance with 44 CFR 65.10(b)(5).

The Operation and Maintenance Manual prepared by the Rancho Murieta Community Services District, was reviewed to verify that the information required under 44 CFR 65.10 was included as well as the maintenance records. The following is a summary of the review:

1. Maintenance Plans and Criteria: Supporting Documentation was reviewed and found to be in compliance with 44 CFR 65.10(d).

All of the above documentation and data, along with the previously submitted documentation, have been reviewed and based on receipt of this information the Michigan Bar and Airport Levee System (Levee ID Nos. 8068 and 8069) as shown on the attached Sacramento County Levee Status Map, meet the minimum certification criteria outlined in 44 CFR 65.10. Therefore, we plan to fully accredit this levee system on the new Digital Flood Insurance Rate Map (FIRM) as providing protection from the 1-percent-annual-chance (base) flood. The area protected from the base flood by this levee will continue to be mapped as a shaded Zone X and a note will be placed in that area, warning of the flood risk that still exists.

Please be advised that levee systems and the estimated level of protection provided by these systems can and do change with time. Future map updates may require the levee system to be certified again at the time of update. Also, design, construction, operation, and/or maintenance documents may be requested at any time. Deviations from the documentation and data submitted to FEMA could result in the levee system no longer being mapped as providing protection from the base flood on future FIRMs. If at any point additional information is provided to FEMA that shows the levee systems no longer meets certification criteria as outlined in 44 CFR 65.10, we will contact the levee owner and community about the possibility of de-accrediting the levee system.

Even though we have mapped the referenced levees as providing protection from the 1-percent-annual-chance flood, it is important to note that levees are only designed to provide a specific level of protection. They can be overtopped or fail in larger flood events. Levee systems require regular maintenance and periodic upgrades to retain their level of protection. When levees do fail, they fail catastrophically, and damage may be more significant than if the levee was not there. Therefore, we encourage you to annually discuss the status and condition of your levees with your governing body. Additionally, it is highly recommended that you consider this risk in your local emergency management plans, including creating evacuation plans for this area.

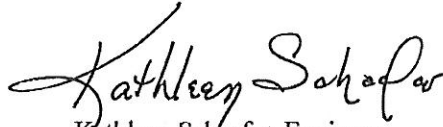
Everyone should understand the risk to life and property that resides behind levees—risk that even the best flood-control system can not completely eliminate. For this reason, FEMA encourages people to understand their risk. The National Flood Insurance Program (NFIP) was created to reduce flood damages by identifying flood risks, encouraging sound community floodplain management practices, and

Mr. Paul Siebensohn
July 28, 2011
Page 3 of 3

providing flood insurance to lessen the financial impact of flooding. Through the NFIP, property owners in participating communities are able to purchase flood insurance that will insure against flood losses. We hope that you will encourage property owners to purchase flood insurance.

If you have any questions regarding this matter, please do not hesitate to contact me by telephone at (510) 627-7129 or by email at kathleen.schaefer@dhs.gov.

Sincerely,



Kathleen Schaefer, Engineer
Mitigation Division

Copies Furnished:

Edward R. Crouse, General Manager, Rancho Murieta Community Services District
Herb Niederberger, Director of Water Resources, Sacramento County
Michael Peterson, Drainage Principal Civil Engineer, Sacramento County
George H. Booth, Senior Civil Engineer, Sacramento County Department of Public Resources
Jay Punia, General Manager, Central Valley Flood Protection Board
Ricardo Pineda, Chief, CA DWR NFIP State Coordinator, Floodplain Management Branch
Lisa Messano, Michael Baker Jr., Inc.
Marc McIntosh, Water Resources Engineer, URS Corporation



FEMA

Sacramento County Levee Status



Levees

- Levee is certified and full accreditation planned
- PAL agreement signed and accepted by FEMA (A1, B)
- Levee is certified (see levee status table for accreditation details)
- Not certifiable against 1% annual chance flood
- No levee believed to be at this location

NOTE: This map depicts the location of certain levees

Background Layers

- Reclamation Districts
- Roads

Solano

Placer

Yolo

Solano

San Joaquin

Area of Detail