

SAN PABLO DAM SEISMIC UPGRADES PROJECT

CURRENT STATUS

The construction contract for the San Pablo Dam Seismic Upgrades Project was awarded in May 2008 and field work began in June 2008. Construction work at the site, consisting of cement deep soil mixing (CDSM) and associated earthwork has continued since the fall of 2008. The CDSM work was completed in August 2009 and the remaining earthwork is now underway. Timely completion of the CDSM was possible due to the ability to work 24-hours per day, Monday through Friday and 20 hours on Saturday, instead of the original 20-hours per day, Monday through Saturday. East Bay Municipal Utility District (EBMUD) staff evaluated impacts and worked with East Bay Regional Park District (EBRPD) staff to make this change. The new schedule was in effect for the period May – August 2009. Current work hours are Monday through Friday, 7:00 a.m. to 7:00 p.m. Also, at EBRPD's request, EBMUD stopped work on July 3 and opened the access road for holiday use.

To date, only one noise complaint has been received for construction in the early hours of the morning and the issue was resolved. When earthwork increased in late September, some dust complaints were received from Kennedy Grove park users. Dust control measures were increased and the problem was resolved. EBMUD construction management and design staff meet with the contractor on a weekly basis to discuss all construction-related issues and EBRPD staff participates in these meetings.

In September 2009, EBMUD completed the design of environmental mitigations for the project. Red-Legged Frog and Alameda Whipsnake as well as general wetland habitats are to be constructed at the Pavon Creeks area of Pinole Valley and at the Scow Canyon borrow area sites, per the requirements of the project environmental permits. In order to take advantage of optimum planting schedules, this portion of the project is scheduled to be awarded in December 2009. EBMUD will also be working with local cities to arrange for plantings in the San Pablo Creek Watershed and with a local conservation group, SPAWNERS, to restore and enhance select areas in the San Pablo Creek watershed.

EBRPD staff continues to work closely with EBMUD contractors and community relations staff. There are no unexpected park issues or impacts on Kennedy Grove Regional Park anticipated in November. Park access road closures/detours continue to work successfully as planned with San Pablo Dam access road open on weekends and major holidays. The following list of major holidays for the next three months has been provided to the contractor:

- November 26 & 27 (Thursday & Friday) (Thanksgiving)
- December 25 (Friday) (Christmas)
- January 1 (Friday) (New Years Day)
- January 18 (MLK Day) (Monday)

Kennedy Grove park hours in November, December, January, & February will be 8:00 a.m. - 4:30 p.m.

SUMMIT RESERVOIR REPLACEMENT PROJECT

CURRENT STATUS

East Bay Municipal Utility District (EBMUD) is planning to replace Summit Reservoir, which is located in the cities of Berkeley and Kensington. The site is near the intersection of Spruce Street and Grizzly Peak Boulevard in close proximity to the entrance to Tilden Park. The capacity of the reservoir is approximately 37 million gallons. Originally built in the 1890s as an uncovered reservoir, Summit Reservoir has gone through several transitions, including the addition of a roof, over the last century. Major maintenance work is required to remove non-soluble contaminants in the existing reservoir liner caulking materials by about 2015 per an agreement with the Alameda County District Attorney's Office. Additionally, Summit Reservoir is too large for the area it serves. These factors, combined with its age, create operational, water quality, and maintenance challenges. EBMUD engineering studies are complete and conclude that the most cost-effective solution is to replace the existing reservoir with one or two new concrete tanks with a total storage capacity of up to 5 million gallons. Two on-site pumping plants to the west of the existing reservoir have reached the end of their useful lives and will also be replaced as part of the project.

The Summit Reservoir Replacement Project is currently in the early phases of planning and community and stakeholder outreach to develop a preferred design alternative for the site. EBMUD met with staff from the City of Berkeley and Contra Costa County in September 2009 to solicit any issues or concerns with the project. The first of three community meetings was held in late September with Berkeley City Council members and nearly 80 residents. Stakeholder outreach will continue through the early spring of 2010, and the California Environmental Quality Act (CEQA) Environmental Impact Report (EIR) process is scheduled to commence shortly thereafter. In response to outreach mailings for the September community meeting, the East Bay Regional Park District's (EBRPD) Parkland Unit Manager contacted EBMUD with questions about impacts to Tilden Park. EBMUD staff responded that the project will not affect the park's water supply or create significant impacts to park visitor access. EBMUD staff plans to follow up with EBRPD staff once the site plan is developed and prior to starting the CEQA process to understand potential impacts to Tilden Park during construction.

NEXT STEPS

- Continue agency stakeholder and community outreach – March 2010.
- Begin CEQA EIR process – March 2010.
- Certify Final EIR – spring 2011.
- Complete design – summer 2012.
- Begin construction – fall 2013.
- Construction – approximately three years, pumping plants followed by tank(s).

EBMUD LONG-TERM WATER SUPPLY UPDATE

CURRENT STATUS

EBMUD is continuing to develop its long-term Water Supply Management Program through the year 2040 (WSMP 2040). The Final Programmatic Environmental Impact Report and Plan were published on October 1st and the EBMUD Board respectively certified and approved them on October 13th.

NEXT STEPS

The District will continue its long-term water supply planning efforts. During the next few years the District expects to emphasize conservation while exploring water recycling, transfers, and regional partnerships involving desalination, groundwater and surface storage projects. A fact sheet is provided for your information.

INVASIVE MUSSEL PREVENTION PROGRAM

CURRENT STATUS

EBMUD Quagga Mussel Prevention Program

Quagga mussels and their close cousin, zebra mussels, were recently found in the Colorado River and in some California lakes and reservoirs. In areas where infestations are substantial, these mussels have dramatically impacted reservoir operations, recreation, and ecology. To prevent the spread of these mussels to EBMUD's reservoirs, boating controls were implemented in February 2008. These controls prevent the launching of any vessel from areas of known or suspected infestation including anywhere out-of-state, Southern California, and selected other locations in the state. To date, about 35,000 boats have been inspected at EBMUD reservoirs with a failure rate of about 1%. EBMUD and EBRPD inspection programs are virtually identical.

This summer, EBMUD completed several reports on vulnerability of its reservoirs to mussel infestation. These reports include a literature review, vulnerability analyses, vector identification and control, and response plan elements. The reports identify that all EBMUD reservoirs in the East Bay are potentially vulnerable to infestation by mussels; however, the reservoirs in the Sierra Nevada foothills (Pardee and Camanche Reservoirs) are not vulnerable because water quality conditions (low calcium and low pH) are not favorable for sustaining these species. The reports indicate that boats are the most likely pathway of introduction, but water transfers, fish stocking programs and introduction via live bait might be important too. In light of these reports, EBMUD modified its watershed rules and regulations in July 2009, prohibiting any violation of the boat inspection and mussel management programs. The new regulations also prohibit the use of any bait which is carried in water.

In early 2009, EBMUD and EBRPD, and other Bay Area reservoir owners and managers initiated a series of meetings to discuss the development of consistent practices to prevent the spread of invasive mussels into local reservoirs. The group recently completed a draft Coordinated Prevention Plan (Plan) that sets a standard for vector control, public education and outreach, and reservoir monitoring. A Memorandum of Understanding is currently being circulated as a means for agencies to commit to the Plan. Signatories may be eligible for a portion of \$250,000 in state funds earmarked for a Bay Area regional prevention program if one is developed. The money would be used for prevention program implementation.

NEXT STEPS

- Continue implementation of public notification, monitoring and boating controls.
- Participate in the Bay Area Consortium so that infestation is prevented regionally.

PINOLE VALLEY MITIGATION BANK

CURRENT STATUS

EBMUD owns approximately 3,700 acres of property in the Pinole Valley. This property was originally intended for development of a water supply reservoir; however, the land is not needed for any current or planned water supply use. At present, the land is leased for grazing and agriculture. The Pinole Valley Mitigation Bank (PVMB) will preserve approximately 3,300 acres of EBMUD's Pinole Valley property as open space while maximizing benefit to EBMUD by generating revenue through sales of mitigation credits to public or private entities.

Over the past 18 months, EBMUD has been working with a team of resource agencies charged with approving the bank. These agencies include the US Fish and Wildlife Service, US Army Corp of Engineers, US EPA, California Department of Fish and Game, and the California Regional Water Quality Control Board. These agencies are currently reviewing the most recent submittal regarding wetlands on the PVMB. EBMUD anticipates submitting the final prospectus for the project to the resource agencies in April 2010. This will establish the bank size, type and number of credits, service areas for credit sales, and a release schedule for credits.

It is anticipated that the bank will have credits for Alameda whipsnake, California red-legged frog, wetlands, oak woodland, and steelhead. These credits can be used by EBMUD directly, or may be purchased by other public agencies or private entities to mitigate for environmental impacts of their projects within the bank service area.

NEXT STEPS

- Submit final PVMB Prospectus to the resource agencies – April 2010.
- Complete Bank Enabling Agreement and conservation easement – March 2011.
- Initiate sales of mitigation credits – Spring 2011.