



December 13, 2005 Board Meeting

TO: Board of Directors

FROM: General Manager *Jan*

Subject Triunfo Sanitation District Request
Joint Facility Study - Kimberly Tank

SUMMARY

Over the last several months the Triunfo Sanitation District has been working on a project to identify a new potable water tank site for replacement of the Conifer Tank in Oak Park. TSD's planning effort identified six sites of which four sites were dropped after community input. TSD staff presented a site located off of Double Tree road in Oak Park, adjacent to the trailhead that leads to the Santa Monica Mountains National Recreation Area, as being the preferred alternative. However, this location has raised a number of concerns by some Oak Park residents suggesting the community may not support the preferred location identified by TSD.

At TSD's regular meeting on November 28, 2005 Director Parks suggested that TSD should consider a joint project with Las Virgenes MWD since LVMWD's Kimberly Tank is located close to Oak Park. As a result of this discussion TSD's General Manager Mark Lawler requested that I place an agenda item before the Las Virgenes Board to determine if the Board has any interest in pursuing a joint project.

RECOMMENDATION

It is recommended that Las Virgenes Municipal Water District **not** participate with Triunfo Sanitation District in a joint tank facility at the Kimberly Tank site for the purpose of providing potable water service to residents outside the district's boundaries.

(Note: This recommendation is based on the fact that LVMWD does not need system capacity in the Kimberly Subsystem; the site will not accommodate a larger tank without significant work and the potential construction and change in the aesthetics would greatly impact Las Virgenes' customers.)

DISCUSSION

The Kimberly Tank, located off Kimberly Drive in Agoura Hills, was constructed sometime between 1985 and 1989. The tank is a steel tank and serves the Northeast corner of Agoura Hills drawing water from the LVMWD 1235 zone backbone system. The tank serves the 1517 sub-zone with a total volume of 470,000 gallons. The district's 1999 Master plan determined that no additional storage was necessary through the year 2020, which is considered to be the time frame for build out within the district.

Discussions with Mr. Lawler have revealed the Conifer Tank is one of four tanks in the TSD potable water system. TSD is looking to replace the Conifer Tank because of seismic concerns

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at the current site, age of the tank and capacity needs. The volume of storage needed is 2.1 million gallons and is expected to be sited at an elevation of approximately 1300 feet. TSD's water system has been designed to allow for all of their tanks to float on the system, meaning that all of the tanks provide service at the same approximate elevation.

Based on an initial review of a possible joint tank project the following issues or facts are presented:

1. The LVMWD 1999 Potable Master plan states no additional capacity is needed in the Kimberly subsystem through the build out period.
2. The Kimberly Tank is 20+/- years old and recent inspections indicate it is in good condition, not needing major repairs or replacement for the foreseeable future.
3. TSD needs a tank requiring a volume four times larger than the Kimberly Tank.
4. The pump station serving an expanded tank would need to be upgraded by a magnitude of 4 times its present capacity and potentially needing a larger site for an expansion.
5. Piping upgrades would be necessary and may reach as far as Thousand Oaks Blvd impacting LVMWD customers along the pipe alignment.
6. In order to provide service to TSD a new transmission main, pressure reducing station and metering facility are necessary.
7. TSD's need to coordinate tank operations with the rest of their system will make coordination with the Las Virgenes' system difficult, potentially subjecting the system to cross connections not under control of Las Virgenes.
8. TSD needs a tank at Elevation 1300 feet. The Kimberly tank is at 1517 feet. This would require TSD to exceed the pumping cost necessary for their system.
9. The Kimberly tank is surrounded by an earthen embankment that hides the tank from view. The size and location of the site is not adequate to provide for an expanded tank thus requiring property acquisition. A new tank would need to be expanded to more than twice the diameter of the Kimberly Tank thereby preventing it from remaining hidden from view.
10. It is not necessary for LVMWD to financially participate in a combined project as there would be no benefit to the district or its customers.
11. Inter agency water transfer agreements with Las Virgenes, TSD, Calleguas and Metropolitan Water District would be necessary. Additionally, the State of California, Department of Health Services would require approval of the interconnected systems.
12. In addition to all capital cost TSD would be responsible for additional operations and maintenance cost to provide water to the Kimberly system through the LVMWD 1235 zone backbone system.