APPENDIX T
SANTA MARGARITA WATER DISTRICT COVERED ACTIVITIES

The SMWD provides water, wastewater, and sewer service through a network of existing and future facilities as follows (see Part IV, Figures 160-M, 166-M and 188-R):

a. Existing Water Facilities

The SMWD provides water, and sewer service to approximately 52,000 households through a network of existing facilities comprised of 1,330 miles of water and sewer mains, 15 connections to other water districts, 30 domestic reservoirs (298 million gallons of storage), 4 non-domestic reservoirs (1.5 billion gallons of capacity), 21 water pump stations, 30 pressure reducing stations, 6 non-domestic water pump stations, 2 wells with chlorine injection, 21 sewer lift stations, and 3 sewage treatment plants. These existing facilities require ongoing operation and maintenance described as follows:

- Periodic grading and clearing of vegetation, periodic improvements and/or upgrades, patrols, and inspections of access roads and rights-of-way
- Maintenance and repair of plant and pipelines
- Replacement, rehabilitation, retrofitting, and upgrading of plant and pipelines
- Maintenance and repair of reservoirs, appurtenances, and communication facilities
- Flushing of blow-off values and pipelines
- Pumping of storm water from valve vaults
- Provision of lay down areas
- Weed and vector abatement
- Sediment removal and treatment of open reservoirs
- Other activities required by various laws and regulations

b. Future Facilities

In addition to existing facilities, SMWD has identified the need for several future facilities which may impact proposed Covered Species and Conserved Vegetation Communities in their initial construction. Subsequent to construction, these facilities would require ongoing maintenance and operation as previously addressed. The future facilities for which SMWD is requesting permits include all those facilities described in Part I and Appendix S as RMV proposed Covered Activities - Infrastructure (RMV and SMWD will jointly hold permits for these facilities) and shown on Part IV, Figures 166-M and 188-R. To reduce repetition these joint facilities are not described here. In addition to these future facilities, SWMD future domestic and non-domestic storage reservoirs are also Covered Activities. These proposed domestic and non-domestic storage reservoirs are described below and shown on Part IV, Figure 160-M.
### i. Storage Reservoirs

SMWD’s long-term planning for the water district has identified the potential need for three storage facilities, two for domestic water and one for the seasonal storage of recycled non-domestic water. The facilities would be built in compliance with the requirements of the California Division of Safety of Dams design standards. The purpose of these facilities is to store domestic water for emergency use and to store recycled water supply during the winter months when more supply is available and demands are low, then use the water during summer months when the demands are in excess of supply. While only three storage facilities (two domestic and one non-domestic) would be constructed, SMWD has identified and evaluated multiple potential sites. The report, *Future Seasonal and Emergency Water Storage Needs* (Henry Miedema and Associates, July 2003), recommended further evaluation for four potential sites for each of the domestic and the non-domestic seasonal storage facilities.¹ SMWD subsequently refined these four sites to two each for the domestic and non-domestic storage: Upper Chiquita Site and San Juan Creek East 3 for domestic water storage, and San Juan Creek East 3 Site and Trampas Canyon Pit Site for non-domestic water storage.

#### 1. Domestic Seasonal Storage Facility Alternatives

**Upper Chiquita Site.** Located in a side canyon on the west side of Chiquita Canyon, north of Oso Parkway, this site would include a conventional earthfill dam and reservoir. The reservoir would have a high water level of 820 feet and an estimated capacity of 860 acre-feet. This site is outside of the RMV PA boundary.

**San Juan Creek East 3 Site.** This site is located in a tributary canyon on the south side of Verdugo Canyon east of Ortega Highway. The reservoir would be a conventional earthfill dam with a high water level of 600 feet and an estimated storage volume of 1,300 acre-feet. The site is within the impact area boundary of PA 4.

#### 2. Recycled Non-Domestic Seasonal Storage Facility Alternatives

**San Juan Creek East 3 Site.** The site is located in a tributary canyon on the south side of Verdugo Canyon east of Ortega Highway. The reservoir would be a conventional earthfill dam with a high water level of 600 feet and an estimated storage volume of 4,600 acre-feet. The site is within the impact area boundary of PA 4.

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¹ The *Future Seasonal and Emergency Water Storage Needs* study evaluated 20 different potential sites based on location, hydraulics, capacity potential, geographic dispersion, geotechnical constraints, land uses, and environmental sensitivity.
Trampas Canyon Pit Site. The site is located in a mined pit on the Oglebay-Norton sand plant in Trampas Canyon. The reservoir would have a high water level of 475 feet and an estimated storage volume of 2,020 acre-feet. This site is within the impact boundary of PA 5.