

16.6 INFRASTRUCTURE/FACILITIES AT RISK

16.6.1 INFRASTRUCTURE/FACILITIES AT RISK – VEHICULAR ACCESS/EGRESS

Access to the village portion of Heritage Ranch is limited to Gateway Drive (Main Gatehouse) and Heritage Loop Road (North Gatehouse) off of Nacimiento Lake Drive (G-14). The surrounding areas of Heritage Ranch consist of Tracts 1063, 1910, the 20 acre parcels, and a portion of Tract 557. These areas represent approximately 220 total homes and are accessed primarily from Nacimiento Lake Drive (G-14), except for nine parcels in Tract 557 which are accessed from Chimney Rock Road. Tract 1063 and 1910 each have two electric gate entries across from the village entrances which provide access to all parcels in those tracts. An electric gate entry is also located in Tract 1990 at Holly Drive; additionally, there is a locked gate at Holly Drive and Nacimiento Lake Drive (G-14). These gates are maintained by the HROA and have fire access key boxes for easy entry. For Tract 1063 the entry roads are Reservoir Road and Windmill Road. For Tract 1910 the entry roads are Bluegill Road and Steelhead Road. Most of the lots in Tract 557 and the 20 acre parcels have private gates.

Boat entrances are available only to the north or south on Nacimiento Lake Drive (G-14). Nacimiento Lake Drive (G-14) crosses over Nacimiento Dam roughly three miles north of the Main Gatehouse entrance and passes over the relatively steep Godfrey Grade about two miles south of the Main Gatehouse entrance. The only other ground access to the entire Community, is by two unimproved, un-maintained dirt roads (for the most part impassable during the wet winter months) and by boat on Lake Nacimiento (when the water level of the lake is high enough to reach the Community's boat launch ramp/Main Marina area).

To the northeast of Heritage Ranch, Nacimiento Lake Drive (G-14) travels approximately 15 miles through areas of hillsides, cut banks, and over an earthen dam before tying in with Highway 101. To the southeast, Nacimiento Lake Drive (G-14) travels 14 miles of hillsides and cut banks and a steep grade before reaching the City of Paso Robles.

In the event of a moderate to major earthquake, wildfire or severe winter storm, there is a very high probability that Nacimiento Lake Drive (G-14) could be impassable in both directions due to damage to the road or blockage of the road. This would obviously cause substantial delays in receiving assistance or transporting the injured by ground and evacuating residents.

16.6.2 INFRASTRUCTURE/FACILITIES AT RISK – CAPPY CULVER ELEMENTARY SCHOOL (CCES)

Cappy Culver Elementary School (CCES) is located on Heritage Loop Road (approximately 2 miles south of the Nacimiento Dam), near the North Gatehouse, and is part of the San Miguel School District. The school currently has K-8 grades with a

current enrollment of 260 students and a staff of 25. The hours of operation are from 0730 to 1700 Monday thru Friday when school is in session.

The priorities for Cappy Culver Elementary School are to ensure for the safety and welfare of the students and staff. The San Miguel School District currently has an earthquake plan in place. The plan calls for everyone, when safe to do so, to evacuate the school and not return inside until determined safe to do so. In event of inclement weather, shelter will need to be provided for everyone as soon as possible. (One option is school buses, if they are available). Also, transportation may need to be arranged to a safe area until parents arrive.

Cappy Culver Elementary School has two 1,000 gallon propane tanks located on the northeast side of the school that need to be checked and secured.

It is important for school staff to notify the Incident Command Post as soon as possible as to the nature and extent of injuries and damage to school facilities.

16.6.3 INFRASTRUCTURE/FACILITIES AT RISK – FUEL STORAGE

There are two above ground fuel tanks at the HRCSD Maintenance Yard. One is a 600 gallon tank for gasoline, and the other is a 500 gallon tank for diesel.

There are two above ground fuel tanks located at the HROA Maintenance Yard. One tank is a 500 gallon tank for gasoline. The second tank is a 250 gallon tank for diesel fuel.

There are two above ground propane tanks at the Oak Hill Shopping Center (OHSC) gas station. One is a 1,000 gallon propane tank and the other is a 100 gallon propane tank.

An earthquake of sufficient intensity could result in these tanks falling over. Ignition is a low level possibility in the absence of a source, but it is likely that the fuel could travel to Heritage Road and into the storm drain system.

16.6.4 INFRASTRUCTURE/FACILITIES AT RISK – WATER SUPPLY

Primary concern will be focused on system integrity. Using HRCSD personnel, an inspection will be made of the Water Treatment Plant, pumping facilities, storage tanks and distribution system.

It is anticipated that power will be off for several days. If the storage tanks and distribution system is intact, the HRCSD will execute an existing emergency order to ration water. Assuming a nearly full tank, and no broken main lines, the HRCSD should have about one week of storage for domestic use. Any fire suppression demand will reduce this supply.

In the event that contamination of the water supply occurs, the HRCSD will issue an order to boil water for at least twenty minutes before drinking or cooking.

If water is not available via the HRCSD system, arrangements will have to be made to truck in bulk drinking water.

16.6.5 INFRASTRUCTURE/FACILITIES AT RISK – SANTITATION SYSTEM

Primary concern will be focused on the collection system including ten vital lift stations. If collection mains fail, raw sewage will back up and spill into homes and out of manholes and clean-outs. If any of the HRCSD facilities lose power, the lift stations may become inoperative and the same backups will occur.

In the event of sewage spills into homes, those homes must be temporarily vacated until relief can be provided. All raw sewage spills will be sprinkled with powdered chlorine and/or washed down with water if available.

If normal delivery of potable water supply is completely out of commission, then the sanitation system will likewise become completely out of commission since it takes water to flush wastes. In this event, arrangements will be made to bring portable toilets into numerous locations.

16.6.6 INFRASTRUCTURE/FACILITIES AT RISK – ELECTRICAL POWER FAILURE

A semi-permanent generator is set up to provide power within thirty minutes of notice at the HRCSD Office and Maintenance Yard. This will allow use of the HRCSD Office as the Support Control Center and the Maintenance Yard for equipment and operations staging.

The sewer system is power dependent with ten lift stations plus aerators, disinfection and effluent pumps at the Sewer Treatment Plant.

The HRCSD has three portable generators to supply power to the lift stations which are shuttled between five lift stations and water pump station #5 (40K tank). Five additional generators are permanent installations at five lift stations. The water treatment system has three portable generators that provides emergency power to water operations during a power outage. Water pump station #6 (Lakeside Village Drive North) has a permanent generator that provides emergency power to the pump station during a power outage

For outages up to 72 hours, the HRCSD has three large portable generators to shuttle between the five critical lift stations. After 72 hours, the HRCSD is subject to storage capacity at the Sewer Treatment Plant and would need the Support Control Center generator to pump effluent to the remote holding pond and filtration facilities.

Reliance for the water system would be on storage until assigned generators can be activated. To extend available storage capacity, the HRCSD will activate an emergency order that prohibits all outdoor use of water. The unknown factor is demand for fire suppression, which would deplete or exhaust available storage.

The CAL FIRE/SLO County Fire Station #33 has emergency power.

16.6.7 INFRASTRUCTURE/FACILITIES AT RISK – OAK HILL SHOPPING CENTER (OHSC)

The OHSC is located on Heritage Loop Road adjacent to Nacimiento Lake Drive near the North Gatehouse. On site is a 25,000 square foot grocery store, retail shops and a gas station.

These facilities will become very important to the Community in the event that Nacimiento Lake Drive (G-14) becomes impassible from Paso Robles and from the north. The main building has fire sprinklers that could become damaged during a major earthquake and could flood the building. The main building has emergency power backup. The gas station does not have emergency power backup which could eliminate this source of fuel for vehicles.

16.6.8 INFRASTRUCTURE/FACILITIES AT RISK – HYPOCHLORITE SOLUTION

Located at the HRCSD Sewer Treatment Plant on Heritage Road is a 2,600 gallon tank HYPOCHORITE SOLUTION (ID 1791), a toxic and/or corrosive non-combustible solution. This tank has a secondary containment structure and earthquake stabilization.