

## REQUIREMENTS TO ALLOW THE USE OF POTABLE WATER

Reedy Creek Improvement District (The District) Building & Safety Department and Reedy Creek Energy Services (RCES) Water Division require specific inspections related to occupancy of a structure and use of potable water following new or repaired water conveying systems.

### SCHEDULING REQUIRED INSPECTIONS

The potable water testing process requires several days' notice to complete and allow water use. First, a chlorination test must be scheduled by the contractor and conducted by the RCES Water Division. Once that test is complete, the bacteriological test needs to be scheduled by the contractor. At that time, the RCES Water Division will then collect the water samples for testing. The test results from the sampling event take twenty-four (24) hours to process by The District's Environmental Sciences Division (The Lab), after which time the results are documented in the online permitting system, Accela Citizen Access (ACA) for access by the contractor of record.

The two inspection codes used for the testing include:

- 371 Chlorination Testing
- 372 Bacteriological Testing (immediately following the 371 Chlorination Testing event)

Both inspections must be scheduled via ACA at: <https://ca.rcid.org/citizenaccess>.

For construction projects requiring more than one test, an appropriate inspection must be scheduled for each phase of the work. As an example, when scheduling multiple floors of a hotel project, the inspection request must include floor and room numbers for adequate coverage of testing (e.g. Turn 1 Rooms 101-125).

Bacteriological testing approval must be posted by The Lab in ACA in order to receive a Temporary Certificate of Occupancy (TCO) or Certificate of Occupancy (CO). As documented above, three (3) days minimum is typically required to receive an approval for use of potable water. For example, if a TCO/CO is needed on a Thursday, the "371 Chlorination Testing" should be scheduled by Monday. The "372 Bacteriological Testing" inspection needs to be scheduled for the next day (Tuesday). It then takes a minimum of twenty-four (24) hours from the receipt of samples to generate the report by The Lab. (An inspection does not need to be scheduled for The Lab testing results.) If scheduled within this proposed timeline, the results will be uploaded to the permit sometime on Wednesday. Parallel to the potable water testing and approval process, the TCO Request process should be taking place and as soon as the Chief Technical Inspector can verify the results have been uploaded to the permit by Wednesday evening, the TCO/CO could potentially be ready for issuance on Thursday, as long as all other requirements have been met. Also, no samples are pulled on Fridays. Schedule all testing for Monday through Thursday only.

**Note:** Scheduling of potable water testing inspections via ACA or the IVR are for permitted work only. For all non-permitted work, contact Taylor Howard, RCES Water Division, at [Taylor.S.Howard@disney.com](mailto:Taylor.S.Howard@disney.com) or (407) 590-3465 to schedule the potable water testing.

The following Potable Water Testing requirements can be found in the *EPCOT Plumbing Code*:

## **CHAPTER 2 – DEFINITIONS**

**POTABLE WATER.** Water free from impurities present in amounts sufficient to cause disease or harmful physiological effects, and conforming in bacteriological and chemical quality to the requirements of the Public Health Service Drinking Water Standards or the regulations of the public health authority having jurisdiction.

## **SECTION 312 – TESTS AND INSPECTIONS**

**312.1 Required Tests.** The permit holder shall perform the applicable tests prescribed in Subsections 312.2 through 312.9 to determine compliance with the provisions of this Code. The permit holder shall give reasonable advance notice to the Building Official when the plumbing work is ready for tests. The equipment, material, power and labor necessary for the inspection and test shall be furnished by the permit holder and the permit holder shall be responsible for determining that the work will withstand the test pressure prescribed in the following tests. All plumbing system piping shall be tested with either water or air. After the plumbing fixtures have been set and their traps filled with water, the entire drainage system shall be submitted to final tests. The Building Official shall require the removal of any cleanouts, if necessary, to ascertain if the pressure has reached all parts of the system.

## **SECTION 610 – DISINFECTION OF POTABLE WATER SYSTEM**

**610.1 General.** New or repaired potable water systems shall be purged of deleterious matter and disinfected prior to utilization. The method to be followed shall be that prescribed by the health authority or water purveyor having jurisdiction or, in the absence of a prescribed method, the procedure described in either AWWA C651 or AWWA C652, or as described in this Section. This requirement shall apply to the “on-site” or “in-plant” fabrication of a system, or to a modular portion of a system.

- (a) The pipe system shall be flushed with clean, potable water until dirty water does not appear at the points of outlet.
- (b) The system or part thereof shall be filled with a water/chlorine solution containing at least 50 parts per million (ppm) of chlorine, and the system or part thereof shall be valved off and allowed to stand for 24 hours; or the system or part thereof shall be filled with a water/chlorine solution containing at least 200 ppm of chlorine and allowed to stand for 3 hours.
- (c) Following the required standing time, the system shall be flushed with clean potable water until the chlorine is purged from the system.
- (d) The procedure shall be repeated where shown by a bacteriological examination that contamination remains present in the system.