



SAN DIEGUITO WATER DISTRICT
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Recycled Water On Site Supervisor

As part of the San Dieguito Water District's Rules and Regulations the following definitions apply.

Supervision

The operation and surveillance of on-site irrigation systems shall be under the management of the Water Supervisor designated by the Customer and approved by the District. This supervisor or his representative shall be available during normal working hours at an address listed with the District for the purpose of hosting an inspection tour or for discussing operational aspects of the system. The Water Supervisor or his representative shall be available via telephone at a number listed with the District for emergency off-hours contact.

Personnel Training

It shall be the responsibility of the Water Supervisor to ensure that all Operations Personnel are trained in and familiarized with the use of recycled water, and are familiar with all pertinent information contained in these Regulations and those applicable portions of the California Code of Regulations. This information shall be supplied by the District upon request of the Water Supervisor. That the training will be provided shall be attested to by the Water Supervisor in the certification form for recycled water service.

On-site Information

The Water Supervisor shall be responsible for furnishing the Operations Personnel system operating instructions, maintenance instructions, controller charts, and record drawings to ensure proper operation in accordance with the irrigation system design and these Regulations. At least one complete set of this information shall be kept on site or in the nearest field office or maintenance building established by the Water Supervisor. The Water Supervisor retains the responsibility of properly disseminating this information to all appropriate Operations Personnel.

On-site Inspection

Inspection of the on-site irrigation system and the approved use area being served may be made at any time by the District or representatives of the various Regulatory Agencies. The Customer, the Water Supervisor and any Operations Personnel are obligated to cooperate with those making the inspection and to assist in the performance of operational tests as requested.

Irrigation Application Rates

Recycled water shall be applied at a rate that does not exceed the infiltration rate of the soil. When the application rate exceeds the infiltration rate of the soil, automatic system control devices shall be utilized and programmed to prevent the ponding and/or runoff of irrigation water. If runoff or ponding occurs before the landscape's water requirements are met, the automatic controls shall be reprogrammed with additional watering cycles to meet the requirements and prevent runoff.

Confinement of Irrigation

The on-site irrigation system shall be operated to prevent discharge onto areas that are not approved for use. Over-spray resulting from attempts to reach remote portions of the approved use area shall not be practiced. This situation shall be rectified by appropriate design corrections to the system layout.

Periods of Operation

To the extent practicable, the operation of the irrigation system shall be during periods of minimal use of the approved use area by the General Public. Such periods of operation shall remain within any general period of recycled water irrigation operation specified by the District and Authority.

Maintenance

A preventative maintenance program designed to ensure the continued operation of all system elements within the requirements of these Regulations shall be evidenced by the Water Supervisor and open to inspection by the District.

Piping

All recycled water irrigation piping under constant water pressure shall be identified and marked in the following manner:

PVC - PVC irrigation piping under constant water pressure shall be either labeled with purple stenciling which shall appear on both sides of the pipe with the marking "RECYCLED WATER" in 5/8-inch letters repeated every twelve (12) inches, be of purple color, or both. A warning tape shall be placed directly on top of the pipe identifying it by the words "RECYCLED WATER." If materials and/or warning tape are not available, other identification methods may be approved by the District with the concurrence of the State Department of Health Services and County of San Diego County Department of Environmental Health.

Other Piping - All other irrigation piping under constant water pressure shall be stenciled with purple paint and marked with warning tape as noted for PVC pipe.

Warning Tape - Warning tape and location tape shall also be installed, and shall be attached to the top of the pipe with plastic tape and banded to the pipe at least once every five feet.

Valves

Quick coupling valves shall not be compatible with potable water quick coupling devices. Quick coupling valves shall conform to the following:

Rating - Quick Coupling Valves shall be 3/4-inch or 1-inch nominal size with brass construction shall be designed for minimum application of water.

Cover - The cover shall be permanently attached to the quick coupling valve. It shall be of rubber or vinyl construction and purple in color.

All gate valves, manual control valves, electrical control valves, pressure-reducing valves, and

pressure-relief valves installed below grade shall be housed in a valve box with a purple locking cover and equipped with a purple warning tag indicating use of recycled water. All such valves installed above grade shall have their handles, operators, and/or bodies painted purple and shall also be tagged. Electric control valve box covers shall be stenciled with a valve identification number and shall be painted purple and equipped with a purple warning tag indicating use of recycled water.

Valve Boxes

All remote control valves, gate valves, and pressure relief valves shall be installed in suitable valve boxes, complete with locking and hinged cover. All shall be Ametek, Brooks, Fraser, Christy, or approved equal. Each shall be marked with "RW" to indicate the use of recycled water and with "PRV," "GV," "BV," or "RCV" to indicate type. Station numbers for control valves shall be stenciled in yellow on the purple valve cover.

Irrigation Heads

All on-site irrigation (sprinkler) heads shall be color-coded purple or have recycled water decals on the risers and shall conform to the following:

Rating - Sprinkler heads shall be the types and sizes with the radius of throw, pressure, discharge, and any other designations, as indicated on the plans and shall be designed for minimum application of water.

Manufacture - All heads of a particular type of function in the system shall be of the same manufacture and shall be marked with the manufacturer's name and identification in such a position that they can be identified without being removed from the system.

Risers - All sprinkler risers shall be as shown on the plans.

Substitutions - Any substitutions for items specified on the plans must be submitted to the design engineer and District for approval.

System Control Devices

All on-site irrigation controllers and appurtenances shall conform to the following:

Type - Automatic controllers shall be of the type and manufacturer shown on the plans or approved equal. Each controller shall be capable of three repeats daily.

Wiring - All control and supply wiring shall conform to local electrical codes

Posting Approved Use Area

Posting the use of recycled water shall be required at any field office or maintenance building established by the Customer. Posting shall not be required at other locations within the approved use area, except as required by the Regulatory Agencies on a case-by-case basis. The required posting shall consist of at least one sign bearing the words "DO NOT DRINK – RECYCLED WATER USED FOR IRRIGATION" in English and Spanish, with white letters at least two inches high on a purple background. The sign shall be so placed that it can be readily seen by all Operations Personnel utilizing the facilities.

To Support Conservation We Irrigate with Recycled Water



 **Please Do Not Drink!**

Program Partner: **San Dieguito Water District • 760-633-2650**

Specific Prohibitions

- Runoff Conditions
- Ponding Conditions
- Windblown Spray Conditions
- Unapproved Uses
- Disposal in Unapproved Areas
- Cross Connection
- Unprotected Drinking Fountains
- Unprotected Public Facilities
- Hose Bibs
- Fire Hydrants

Suspension and Termination of Recycled Water Service

Recycled water service may be suspended and/or terminated at any time by the District or Authority due to any one or more of the following:

- Failure by a customer to adhere to the provisions of these Regulations
- For the protection of the public health, safety and welfare
- In order to protect recycled water facilities or make repairs
- Inability of the Authority to produce recycled water or otherwise provide recycled water service
- Failure of the customer to pay for recycled water in accordance with these Regulations

If at any time during the construction or operation of facilities designed to use recycled water real or potential hazards are evidenced, the District and Authority reserve the right to immediately terminate recycled water service in the interest of protecting public health or other elements of the recycled water system. In the event that recycled water service is so terminated, the Authority may supply water to the affected facilities either temporarily or permanently from the potable water system.

Recycled Water Check List

- All work shall be done in accordance with the “Rules and Regulations for Recycled Water Service within the San Dieguito Water District.”
- The operation and surveillance of on-site irrigation systems shall be under the management of the Water Supervisor designated by the Customer and approved by the District.
- It shall be the responsibility of the Water Supervisor to ensure that all Operations Personnel are trained in and familiarized with the use of recycled water, and are familiar with all pertinent information contained in these Regulations and those applicable portions of the California Code of Regulations.
- PVC irrigation piping under constant water pressure shall be either labeled with purple stenciling which shall appear on both sides of the pipe with the marking "RECYCLED WATER" in 5/8-inch letters repeated every twelve (12) inches, be of purple color, or both.
- Quick coupling valves shall not be compatible with potable water quick coupling devices.
- All remote control valves, gate valves, and pressure relief valves shall be installed in suitable valve boxes, complete with locking and hinged cover. Each shall be marked with "RW" to indicate the use of recycled water and with "PRV," "GV," "BV," or "RCV" to indicate type.
- All on-site irrigation (sprinkler) heads shall be color-coded purple or have recycled water decals on the risers.
- Posting the use of recycled water shall be required at any field office or maintenance building established by the Customer. Posting shall not be required at other locations within the approved use area, except as required by the Regulatory Agencies on a case-by-case basis. The required posting shall consist of at least one sign bearing the words "DO NOT DRINK – RECYCLED WATER USED FOR IRRIGATION" in English and Spanish, with white letters at least two inches high on a purple background. The sign shall be so placed that it can be readily seen by all Operations Personnel utilizing the facilities.
- All storage tanks used for recycled water, whether fixed or mounted on distribution vehicles, shall be structurally sound and free from leaks.
- Non-designated areas shall be protected from contact with recycled water, whether by windblown spray or by direct application through irrigation or other use. Lack of protection, whether by design, construction practice or system operation, is strictly prohibited. A site grading plan with approved usage areas is needed for approval.
- Best management practices shall be used to eliminate ponding, run-off, over-spray and misting.
- Educate all personnel on a continuous basis of the presence of recycled water. Personnel must be informed that recycled water is meant for construction/irrigation purposes only and is not approved for drinking purposes, hand washing, cleaning of tools, etc.

Water Supervisor regularly inspects on-site system and its operation for conformance with these Regulations.

**SAN DIEGUITO WATER DISTRICT
CERTIFICATION FORM FOR RECYCLED WATER SERVICE
For Construction Water
(Please Type or Print All Information)**

USER ACCOUNT # _____

Type of Water Use: **Irrigation**

Operation Certification (Completed by On Site Supervisor)

Operator of Recycled Water System (Company Name) _____

Relationship to Property Owner _____

Water Supervisor _____

Business Address _____

Business Telephone _____ Off-Hours Telephone _____

I have reviewed the "Rules and Regulations for Recycled Water Service within the San Dieguito Water District" and certify that the operation of this recycled water service will be in accordance with all applicable requirements contained therein, including providing for the required training and supervision of all personnel under my control who will be involved with the use of recycled water.

On Site Supervisor's Signature _____ Date _____

Company Title _____

Project Site for Construction Water:

Project Name: _____

Project Address: _____

City of Encinitas Grading Plan No./Improvement Plan No.: _____

Date of On-site issuance of Construction Meter: _____

On Site Supervisor's On-site Acceptance: (initial) _____

District's Representative for On-Site Meter: _____

Service Order: _____

Work Order: _____