

**SECTION 15152
RECYCLED WATER FACILITIES (ONSITE)**

PART 1 GENERAL

1.01 DESCRIPTION

This section includes special provisions, materials, and identification of onsite (post meter, private) recycled water irrigation or plumbing systems. The purpose of this section is to provide Rules and Regulations and establish procedures and specifications for the development and operation of recycled water systems in the District's service area.

1.02 REFERENCE STANDARDS

The publications listed below form part of this specification to the extent referenced and are referred to in the text by the basic designation only. Reference shall be made to the latest edition of said standards unless otherwise called for.

- AWWA - American Waterworks Association Guidelines for Distribution of Non- potable Water
- CCR - California Code of Regulations Title 22 and Title 17.
- DOHS - Department of Health Services Recycled Water Plan Check and Inspection Manual, County of San Diego, Department of Environmental Health

1.03 RELATED WORK SPECIFIED ELSEWHERE

Standard Drawings
Standard Specification 01000

1.04 OFFSITE AND ONSITE CRITERIA

Recycled water facilities are separated into two categories:

- A. "Offsite" (pre-meter, public) recycled water facilities consist of those facilities which are on the upstream side of the meter. These facilities are, or will be, owned, operated and maintained by the District. Specification Section 15151 details the requirements for construction of Offsite Recycled Water Facilities.
- B. "Onsite" (post-meter, private) recycled water facilities consist of those facilities which are on the downstream side of the water meter. These are facilities which will be owned, operated and maintained by the customer. This specification will detail the requirements for the design, installation and testing of onsite recycled irrigation and plumbing systems.

1.05 POLICY

The District operates and maintains a recycled water distribution system within its service area enabling it to provide disinfected tertiary treated recycled water for a variety of beneficial uses. Recycled Water usage as an alternate will conserve an equal amount of potable water for domestic

use.

The beneficial use of recycled water is regulated by the California State Water Resources Control Board (CWRCB). California Water Code Section 13551 establishes a State policy to encourage the use of recycled water. Permission to use recycled water is based on the ability to adequately treat wastewater to the point that the recycled water (effluent) meets or exceeds the requirements of existing Title 22, Chapter 3, regulations of the California Code of Regulations. Title 22 was promulgated by the State of California Department of Health Services (DOHS) to ensure proper health protection and specify the treatment degree to match the intended applications.

In accordance with waste discharge requirements for water reclamation projects, the Regional Water Quality Control Board, San Diego Region, (RWQCB) requires that Rules and Regulations for facilities using recycled water be established.

1.06 APPROVED USE

These Rules and Regulations pertain to recycled water service to lands and/or improvements lying within the legal boundaries of the District unless otherwise stated. It is the intent of the District to provide recycled water service in accordance with these Rules and Regulations to all areas identified in the District's Water Reclamation Master Plan, including all subsequent revisions for the use of recycled water. Recycled water service shall be provided to the service area when related transmission distribution facilities are completed and service becomes available.

In accordance with the goals of the District, the uses of recycled water include only those uses approved by the State of California Department of Health Services (DOHS), the County of San Diego Department of Environmental Health (DEH) and for which Title 22 of the California Code of Regulations provides treatment requirements. All potential applications of recycled water shall be reviewed and approved by the District prior to installation of facilities. Prior to approval and at its discretion, the District may set forth specific requirements as conditions for providing service and/or require specific prior approval from the appropriate regulatory agencies.

The facilities shall be constructed in accordance with the procedures and requirements of the District. No recycled water mains or connections to the recycled water mains shall be installed unless shown on the Approved Plans.

1.07 CONDITIONS OF SERVICE

Recycled water service shall be provided by the District only if such service is obtained in the manner provided in these Rules and Regulations. Recycled water service shall be available, provided, and used in accordance with other codes, rules, and regulations referenced in this specification.

If any of the following conditions of service are not satisfied at all times recycled water service may be revoked by the District.

- A. Financial: Conditions relating to service rates, fees and billing shall be established by the Board of Directors.
- B. Operational:

1. Liability: The District shall not be liable for any water-related damage resulting from, but not limited to:
 - A. Defective plumbing
 - B. Broken or faulty services
 - C. Onsite facilities failures
 - D. High- or low-pressure conditions
 - E. Interruptions of service
 - F. Unauthorized connections
 2. Service: All recycled water will be provided to the user as specified in the Application/Permit for Recycled Water Service. Recycled water use will be subject to the same restrictions as stated in these specifications and the regulatory requirements of DOHS and DEH.
- C. Regulatory: Recycled water service may be suspended whenever the quality of the recycled water does not comply with the requirements of the regulatory agencies or at any time these Rules and Regulations for Recycled Water Service are violated.

1.08 DESIGN CRITERIA - ONSITE RECYCLED SYSTEMS

- A. The design of onsite recycled water facilities, including the preparation of plans and specifications, shall be under the responsibility of a licensed Landscape Architect or Civil Engineer registered with the State of California. A Declaration of Responsible Charge shall appear on the title sheet of the plans.
- B. The design of onsite recycled facilities shall conform to the most current provisions set forth herein and to any other conditions, standards, and requirements set forth by the District.
- C. In those areas where recycled water is not immediately available, and the District has determined that recycled water will be supplied in the future, the onsite facilities shall be designed to use recycled water. Provisions shall be made, as directed by the District, to allow for connection to the recycled distribution main when it becomes available. In the interim, potable water shall be supplied through a temporary potable water connection using a master reduced pressure principal backflow device installed per these Standard Specifications. When recycled water becomes available, the Owner shall remove the backflow prevention device in the presence of, and as directed by, the District Engineer. The onsite system will be connected to the recycled water distribution main per the requirements of the Standard Specifications at the time the connection is made.
- D. Onsite recycled water systems shall be designed to include backflow prevention per the requirements of the Standard Specifications. In some cases, more stringent backflow protection may be required.

- E. The recycled water system shall be separate and independent of any potable water system. Cross connections between potable water facilities and recycled water facilities are prohibited.
- F. Hose bibs on recycled water facilities are prohibited.
- G. Fire hydrants, wharf heads, or other appurtenances shall only be included in the design when these appurtenances are expressly approved by the District and DOHS.
- H. Drinking fountains shall be protected from the spray of recycled water. There shall be no direct contact of recycled water with a drinking fountain. Protection of drinking fountains can be accomplished either by maintaining a horizontal separation of at least (30') between the drinking fountain and the nearest spray type emitter, spray head modification, or by the use of a covered fountain. The manner used to protect drinking fountains from the spray of recycled water shall be approved by the District and DOHS.
- I. Potable and recycled lines shall not to be installed in the same trench. Recycled lines shall be designed to be installed below the potable lines where the two pipelines run parallel to each other. Where this is not possible, the recycled line shall be installed in a casing. Details of this installation shall be clearly drawn on the plans.
- J. Onsite recycled water irrigation systems shall be designed to meet the peak moisture demand of the plant material to be irrigated. The use of moisture sensors is encouraged, but not mandatory.
- K. Onsite recycled water irrigation systems shall be designed to apply irrigation water in a manner compatible with the infiltration rates of the soil types within the approved use area. Evidence that infiltration rates have been assessed shall be included with the design. Where varying soil types are present, the system design shall be compatible with the lowest infiltration rate present.
- L. Onsite recycled water systems shall be designed to prevent discharge onto areas not under control of the Owner. Appropriate sprinklers, bubblers, emitters, rotors, etc., shall be employed in the design to confine the discharge to the approved use area. The design shall avoid spray patterns which discharge onto obstructions that tend to concentrate water which results in ponding and/or runoff.
- M. Onsite recycled irrigation systems shall be designed to provide a physical separation between adjacent areas irrigated with potable water. The means of separation shall be provided by either a distance of 3m (10'), concrete mow strips, approved fence or other approved means. Where concrete mow strips or other means are used, they shall be shown on the plans.
- N. Onsite recycled water systems shall be designed to operate during periods of minimal public use of the area. The total time required to irrigate the design area shall not exceed nine (9) hours in any twenty-four (24) hour period. The system shall be designed to operate between the hours of 9 PM and 6 AM.
- O. Onsite recycled water system designs shall include automatic system control devices which can be easily adjusted to minimize ponding and runoff.

- P. Onsite recycled water system design plans shall contain the following information for each meter requested:
1. Meter location and size
 2. Gross and net irrigation area served by each meter (sq ft or acres)
 3. Peak flow through the meter in liters/minute (gpm)
 4. Estimate of the yearly demand (acre-feet)
 5. Design operating pressure at the meter in Kpa (psi)
- Q. Onsite recycled water system design plans shall contain a legend showing the pertinent data for the materials to be used in the system construction. Included shall be a pipe schedule (listing pipe sizes and materials of construction), valve types (including quick-coupling type valves), and the following information for each type of sprinkler device:
1. Manufacturer and model number
 2. Sprinkler radius in meters (feet)
 3. Operating pressure in Kpa (psi)
 4. Flow in liters/minute (gpm)
 5. Sprinkler pattern
- R. Onsite recycled water design plans shall contain the following detailed information:
1. Points of connection
 2. Routing of all pipes
 3. Gate valves
 4. Control valves
 5. Quick-coupling valves
 6. Routing of control wires
 7. Control stations
 8. The area controlled by each control station
 9. Signage plan and sign detail
 10. Cross connection test station locations and detail

11. Location of mow strips, fences, walls, or other barriers
12. Adjacent parcels, lots or home sites irrigated with potable water
- S. Onsite recycled water design plans shall clearly detail backflow prevention devices, all potable water lines, buildings, walls, exterior drinking, and decorative fountains, swimming pools, playgrounds, or any other permanent facilities in the design area. If none of the items listed in this paragraph are present in the design area, it shall be specifically stated on the plans that none exist.
- T. Onsite recycled water design plans shall clearly indicate the following minimum top of pipe depth requirements:
 1. Intermittent pressure lines (2") in diameter and smaller: (12") deep.
 2. Constant pressure lines less than (6") in diameter: (18") deep.
 3. Constant pressure lines (6") in diameter and larger: (30") deep.
- U. The District's Recycled Water Use Notes are to be included on all onsite recycled water system design plans. These notes, as appended, may be expanded or otherwise modified as directed by the District.
- V. The name(s) and 24-hour contact telephone number for the party responsible for operation and maintenance of the system shall appear on the cover sheet of the design plans..
- W. An Inspection Note shall be shown on each page of the design plans. The note shall be as follows: The District Inspection Division shall be notified 48 hours (2 working days) prior to the start of construction. All work performed without benefit of inspection shall be subject to rejection and removal.

1.09 WARNING/IDENTIFICATION TAPE

All irrigation pipe, both potable and recycled, shall include the installation of Warning / Identification Tape.

PART 2 MATERIALS

2.01 ONSITE RECYCLED WATER FACILITIES

- A. Pipe shall be solid purple-colored PVC material conforming to the following:
 1. (3") or smaller pipe shall conform to ASTM-D1784, Type 1, Grade 1, PVC- 1120 for schedule 40 or 80, or ASTM-D2241, Type 1, Grade 1, PVC-1120 for SDR rated pipe. Ends shall be solvent welded joints conforming to ASTM- D2672.
 2. (4") and larger pipe shall conform to either AWWA C900 or C905 with elastomeric ring bell-type pipe ends, conforming to ASTM-D3139. Where purple pipe is unavailable, (0.008" or 8 mils) purple plastic sleeve material maybe used in accordance with Section 15151.

3. Identification markings shall be continuous on two sides of the pipe. Markings shall include the nominal pipe size, PVC type, ASTM or AWWA designation, pressure rating and the words "CAUTION-RECYCLED WATER".
- B. Fittings for PVC pipe shall conform to the following:
1. (3") and smaller pipe shall use solvent weld joint type fittings, minimum Schedule 40, with a working pressure rating no lower than that of the pipe. Schedule 40 fittings shall conform to ASTM-D2466 and Schedule 80 fittings to ASTM-D2464 and D-2467. PVC solvent cement shall conform to ASTM-D2564.
 2. (4") and larger pipe shall use either mechanical joint ductile-iron Class 350 fittings conforming to AWWA C153; or grip tite fittings conforming to AWWA C110 and C111.
- C. Warning tape shall be an inert plastic film formulated for prolonged underground conditions. The minimum thickness shall be (0.004" or 4 mils) and the overall width shall be a minimum of (3"). The tape shall have purple printing on a silver background or black printing on a purple background with the words "CAUTION: RECYCLED WATERLINE BELOW".
- D. Quick-coupling valves shall be acme thread type for operation with a special coupler key. They shall be constructed of brass with a solid purple-colored locking rubber or vinyl cover. The locking cover shall have the warning "NON-POTABLE-DO NOT DRINK" in English and Spanish, and the International "DO NOT DRINK" symbol. The warnings shall be permanently molded into the cover.
- E. Sprinklers, rotor heads and other types of dispersion heads shall have the exposed surface colored purple. The exposed surface shall be colored through the use of integrally molded purple plastic or permanently attached purple plastic ring or disc.
- F. Valve boxes shall be per industry standards with solid purple-colored lids as a minimum. The entire box may be molded from purple-colored PVC. The lids shall have the warning "NON-POTABLE- DO NOT DRINK" in English and Spanish and the International "DO NOT Drink" symbol. The warnings shall be permanently molded into the lid.
- G. Valves shall have their exterior surface painted purple and be tagged with identification tags. The purple paint shall be as listed on the Approved Materials List. Identification tags shall be (3" x 4") weatherproof purple plastic. The plastic tags shall be imprinted in black permanent markings with the words "Caution: Recycled Water- Do Not Drink" on one side and "Peligro: Agua Impura- No Beber" on the opposite side.
- H. Warning labels and signs shall be required and installed per the approved signage plans. Labels and signs shall be submitted to the District Engineer for approval prior to installation. The labels and signs shall notify that the system contains recycled water that is unsafe to drink. They shall be in English and Spanish with the international "Do Not Drink" symbol. As a minimum, signs shall be installed at impoundments, ingress and egress points, and on the exterior front panel of irrigation controllers.

- I. Strainers shall be the same nominal size as the service meter and shall have a ball valve on the strainer leg for flushing. (2”) and smaller wye pattern strainers shall be bronze body, in-line type with stainless steel screens. Strainers shall have a (1/2”) bronze ball valve installed on the strainer’s wye leg. (3”) and larger wye pattern strainers shall be cast-or ductile-iron and have the size ball valve recommended by the manufacturer installed on the strainer’s wye leg
- J. Check valves shall be in-line, spring-loaded, bronze-body construction. Check valves shall be globe, wafer, or dual check type valves with stainless steel springs. Check valves shall be the same size as the service meter.
- K. A more stringent method of backflow prevention may be required when a fertilizer or pesticide injection system is shown on the Approved Plans.

2.02 ONSITE POTABLE WATER FACILITIES

- A. Pipe shall be white-or blue-colored PVC material conforming to this specification.
- B. Quick-coupling valves shall not be acme thread type. They shall have a cover made of brass, yellow rubber or vinyl.
- C. Onsite systems distributing potable water shall not have purple markings.

2.03 WARNING/IDENTIFICATION TAPE

Warning/Identification Tape materials shall conform to Section 15000.

PART 3 EXECUTION

3.01 ONSITE RECYCLED WATER FACILITIES

- A. Onsite recycled water facilities shall not be installed until the plans have been approved by the District Engineer and the San Diego County, Department of Environmental Health Services (DOHS), and a pre-construction meeting has been held with the District Inspection Division. If any portion of the onsite recycled system is installed prior to plan approval and/or inspection, all or any portion of the system shall be exposed and corrected as directed by the District Engineer.
- B. Onsite recycled water facilities shall be installed as shown on the approved plans. Deviations from these plans by the installer shall not be permitted until the revised plans have been submitted to, and approved by, the governing regulatory agencies.
- C. Installation of onsite recycled water facilities shall conform to the following:
 - 1. The recycled water system shall be separate and independent of any potable water system. Cross connections between potable water facilities and onsite recycled water facilities are prohibited.
 - 2. Hose bibs on recycled water facilities are prohibited.

3. Drinking fountains shall be protected from the spray of recycled water in a manner approved by the governing regulatory agencies and as directed by the District Engineer.
 4. Conditions that cause overspray, ponding and runoff shall be limited or prevented.
- D. Onsite recycled water and potable water facilities shall be installed in accordance with the following criteria:
1. The horizontal separation between onsite recycled and potable lines shall be a minimum of (48”), measured between outside diameters.
 2. In general, onsite recycled water lines shall be installed below potable water lines, with a minimum vertical separation of (12”), measured between outside diameters. Exceptions to this general requirement are as follows:
 - A. Recycled water lines may be installed above potable water lines where the recycled lines (laterals) are intermittently pressurized. No special construction requirements are necessary, provided the (12”) vertical separation is maintained.
 - B. Constantly pressurized recycled water lines may be installed above potable water lines providing the recycled pressured line has an automatic flow control/shut-off device installed, or the recycled line is sleeved. An automatic flow control/shut-off device shall terminate all flow to a lateral automatically should the flow exceed a preset maximum Kpa (gpm). Sleeving shall extend (5’) each side from the center-line of the potable line, for a total length of (10’). The sleeve shall be purple PVC. In all cases, the (12”) vertical separation shall be maintained.
- E. Onsite recycled water systems shall be installed to prevent discharge onto areas not under control of the Owner. Appropriate irrigation components shall be employed in the installation to confine the discharge to the approved use area. The installation shall avoid spray patterns which discharge onto obstructions that tend to concentrate water to produce ponding and/or runoff.
- F. Onsite recycled water systems shall be installed to operate during periods of minimal public use of the area. The total time required to irrigate the design area shall not exceed nine (9) hours in any 24-hour period. The system shall be installed to operate between the hours of 9 PM and 6 AM.
- G. Onsite recycled water systems shall be installed to the following min. top of pipe depth requirements:
1. Intermittent pressure lines (2”) and smaller – (12”).
 2. Constant pressure lines smaller than (6”) – (18”).
 3. Constant pressure lines (6”) and larger – (30”).

- H. Warning/Identification Tape shall be installed on all onsite potable and recycled lines as called for in Section 15000.
- I. Hydrotesting shall be performed on all constant pressure lines in the presence of the District Engineer. The test pressure shall be a minimum of (50 psi) above the rating of the pipe. The two-hour pressure test will consist of a one hour pump up period and a one hour hold period. No leakage (drop in pressure) shall be allowed. If leakage exceeds this rate, the leak points shall be located and repaired, and the hydrotest repeated until there is zero leakage.
- J. Only potable water shall be used for hydrotesting, flushing, the operational test and the cross-connection test (if required). Potable water shall be supplied through a separate temporary water meter obtained from the District and located at a District-approved potable water source. A reduced pressure principal backflow device shall be installed at ground level immediately downstream of the temporary potable water meter. A temporary high line shall be installed to supply the proposed recycled irrigation system during the construction and testing period.
- K. A wye strainer and check valve shall be installed in accordance with Standard Drawing WR-03 selected from the Approved Materials List.
1. For meter sizes ($\frac{3}{4}$ "") through (2"), the strainer and check valve shall be installed in a separate (1") meter box abutted to the service meter box.
 2. For meter sizes larger than (2"), the strainer and check valve shall be installed in a separate vault adjacent to meter vault. The vault shall be of sufficient size to provide adequate room for maintenance and removal of the strainer and check valve.
 3. The strainer and check valve shall be installed and inspected prior to service being established.
- L. Cross connection test stations shall be installed at the locations shown on the Approved Plans and detailed on the Standard Drawings. In general, one test station shall be installed directly downstream of each point of connection, downstream of any pressure reducing valves. Additional cross connection station(s) may be required as indicated on the Approved Plans.
- M. A controller recycled irrigation map shall be prepared and submitted to the District prior to commencing service. The map shall be prepared as follows:
1. Provide one map for each automatic controller showing the area covered. The map shall be (11" x 17") in size.
 2. The map is to be a reduced drawing of the actual system. The line weights and lettering on the original controller map drawing shall be so drawn that, when reduced, it is clearly legible.
 3. The map shall be a blackline print with a different color used to show area of coverage for each station and subsystem.
 4. When completed and approved, the maps shall be hermetically sealed between two pieces of clear, colorless plastic, each piece being a minimum of (0.010" or 10 mils) thick.

- N. The owner or owner's representative shall contact the District's Inspection Division and arrange for a coverage test inspection. The owner or owner's representative must be in attendance along with persons capable of making system adjustments. If modifications to the system are required, other than minor adjustments, the owner will be notified in writing of the changes required. To avoid suspension of service, the modifications must be made in a timely manner. All modifications to the system are the responsibility of the owner, applicant, or customer and said owner, applicant or customer shall pay all costs associated with such modifications.
- O. Either prior to or at the time of the coverage test, a Final Inspection shall also be performed. The following items must be completed to the satisfaction of the District Engineer before permanent service will be established:
1. Application for recycled service has been made to the District.
 2. Warning signs and labels are installed.
 3. Quick coupling valves, valve boxes, controllers and other system components are clearly identified with the proper markings indicating distribution of either recycled or potable water.
 4. Windblown spray, runoff and ponding have been limited or prevented.
 5. Controller clocks are set to operate during the approved hours.
 6. Controller maps have been submitted to the District.
 7. Site supervisor and twenty-four (24) hour contact phone number identified.
- P. In those areas where recycled water is not immediately available, but the District has determined that recycled water will be supplied in the future, the onsite facilities shall be installed to use recycled water. Provisions shall be made, as directed by the District, to allow for connection to the recycled distribution main when it becomes available. In the interim, potable water shall be supplied through a temporary potable water connection installed in accordance with the District's Standard Specifications. When recycled water becomes available, the Owner shall remove the backflow prevention device in the presence of and as directed by the District Engineer, and shall connect the onsite system to the recycled water service lateral.

3.02 OPERATION AND MAINTENANCE

A. General:

1. The operation, surveillance, maintenance, and repair of all onsite recycled water facilities are the responsibility of the customer. The customer's designated "On- Site Recycled Water Supervisor" shall bear the responsibility for the distribution of recycled water in accordance with the District Rules and Regulations. The District shall receive the following information regarding the individual designated as "On-Site Supervisor": their name, address and telephone number of their location during normal

working hours, and a telephone number at which they can be reached during off hours.

2. The District must be notified in writing of any change in the information in Section 15152.3.02.A.1 within ten (10) working days.
- B. The customer shall have the following responsibilities pertaining to operation of onsite facilities:
1. To ensure that all operations and maintenance personnel are trained and familiarized with the use of recycled water.
 2. To ensure precautionary measures be taken to minimize direct contact with recycled water. For work involving more than a casual contact with recycled water, employees must be provided with proper protective equipment. Adequate first aid supplies should be available on the premises. All cuts and abrasions should be promptly treated to prevent infection.
 3. To furnish their operations and maintenance personnel with maintenance instructions, irrigation schedules, controller charts, and as-built plans to ensure proper operation in accordance with these Rules and Regulations.
 4. To ensure all recycled water facilities are operated and maintained in accordance with these Rules and Regulations and other documents governing recycled water systems within the District.
- C. The customer shall be responsible for any and all subsequent uses of the recycled water. Operation, maintenance and control measures to be utilized in this regard, where appropriate, shall include but are not limited to the following:
1. Operation of onsite recycled water facilities shall be operated to prevent or minimize discharge onto areas not under control of the customer so as to minimize public contact.
 2. Operation of the onsite recycled water facilities shall be during periods of minimal human use of the service area. Consideration shall be given to allow a maximum dry-out time before the irrigated area will be used by the public.
 3. Utilization of automatic controller systems to minimize ponding and runoff of recycled water. Total sprinkler run times shall not be greater than the time needed to supply the landscape's water requirement. If runoff occurs before the landscape's water requirements are met, the automatic controllers shall be reprogrammed with a greater number of water cycles of shorter duration to meet the requirements. This method of operation is intended to minimize ponding and runoff.
 4. The customer reporting to the District any and all failures in the recycled water system that cause an unauthorized discharge of recycled water.
 5. Protection of all drinking fountains located within the approved use area from contact with windblown recycled water spray, direct application through irrigation or other approved uses by location and/or a protecting structure. Protection shall be by design,

construction practice and system operation.

6. Protection of facilities that may be used by the public. They include but are not limited to, eating surfaces and playground equipment located within the approved use areas. These shall be protected by siting and/or shelter from contact with recycled water to the maximum extent possible. Windblown spray, direct contact through wash down or by irrigation application, or other approved uses are considered sources of recycled water. Protection shall be by design, construction practice and system operation.
7. Notification of the District of all updates and proposed changes. Approval by the District and DOHS shall be obtained prior to construction in accordance with District procedures. All updates and proposed changes shall comply with these Rules and Regulations and the governing documents of all other regulatory agencies.

D. The customer shall enforce the following prohibitions:

1. Cross-connections: Cross-connections, as defined by the California Code of Regulations, Title 17, resulting from the use of recycled water or from the physical presence of a recycled water service, whether by design, construction practice or system operation, are strictly prohibited.
2. Hose Bibs: Use or installation of permanent hose bibs on any customer water system that presently operates or is designed to operate with recycled water, regardless of the hose bib construction or identification, is prohibited.
3. Runoff: Conditions that directly or indirectly cause runoff of recycled water either within or outside of the approved use area, whether by design, construction practice or system operation, are prohibited.
4. Ponding: Conditions that directly or indirectly cause recycled water to pond either within or outside of the approved use area, whether by design, construction practice, or system operation, are prohibited.
5. Windblown Spray: Conditions that directly or indirectly permit windblown spray to pass outside of the approved use area, whether by design, construction practice, or system operation, are prohibited.
6. Disposal in Unapproved Areas: Disposal of recycled water for any purposes, including approved uses, in areas other than those specifically approved by the District and without the prior knowledge and approval of the governing regulatory agencies, is prohibited.
7. Unapproved Uses: Use of recycled water for any purposes other than those specifically approved by the District, is prohibited.

3.03 MONITORING AND INSPECTION

The District shall monitor and inspect the entire recycled distribution facility, including both offsite and onsite facilities. The District shall conduct monitoring programs, maintain records as deemed necessary, inspect onsite facilities for compliance with these Rules and Regulations, and provide

reports as requested by other regulating agencies. For these purposes, the District shall have the right to enter upon the customer's premises during reasonable hours to inspect onsite recycled water facilities and approved use areas. Reasonable hours shall include hours when irrigation is occurring. The District, Regional Water Quality Control Board, DOHS and DEH shall have the right to enter upon the customer's premises during reasonable hours, from time to time, to verify that the customer's irrigation practices conform with these Rules and Regulations. Where necessary, keys and/or lock combinations shall be issued upon request to the District to provide such access.

3.04 VIOLATION AND NOTIFICATION

- A. The District reserves the right to determine whether a violation of the Rules and Regulations has resulted from any action or occurrence that is the responsibility of a customer. Insofar as the violation of these Standards Specifications constitutes a violation of any regulatory agency requirement, the District shall make its determination with consultation on behalf of the concerned agency.
- B. Specific violations shall include those that directly cause noncompliance with any one of the specific prohibitions as listed in these Rules and Regulations. However, by definition, noncompliance with any condition or conditions of these Rules and Regulations, whether willfully or by accident, shall constitute a violation.
- C. It is the responsibility of the customer to notify the District of any and all failures in the onsite recycled water system whether or not in the customer's opinion the failures resulted in violations. Failures may occur as a result of the customer's action, an action by unauthorized personnel or any non-designated use of the recycled water service. If there are any doubts regarding whether a violation has occurred, the customer should notify the District so that a determination can be made.
- D. Notification of failures and violations should be made by telephone, as soon as possible, to the District. If the failure occurs after normal business hours, notification should be made no later than 9:00 a.m. on the next regular business day following the occurrence.

3.05 CORRECTIVE ACTION

- A. If the District's investigation results in the determination that a violation has occurred, then it shall be the responsibility of the customer to initiate corrective action. Pertinent violations will be documented and a copy of this notice will be hand-delivered or mailed to the customer.
- B. A timetable for completing the corrective action should be negotiated with the District by the customer. Such corrections can involve human factors, such as additional training or procedures modifications, as well as physical alterations to the system. Corrections not made in accordance with the timetable shall result in the termination of service by shutting off and locking the meter.
- C. If, in the opinion of the District, the violation constitutes an immediate danger to the public health, then service shall be terminated immediately by shutting off the meter or service and locking it. Service shall be resumed only after the violation has been corrected to the satisfaction of the District.

- D. The customer is to maintain a written log of all system failures and violations, including corrective action taken. The log will be reviewed by the District regularly.

3.06 ADMINISTRATIVE REVIEW

A mandatory administrative review will be conducted to examine customer's irrigation practice if three written violations are issued within a 30-day period. The District and customer or agent is required to present reasons for non-compliance with these Rules and Regulations. The customer shall present a plan for corrective action acceptable to the District and the regulatory agencies. The accepted plan and implementation schedule shall be adhered to or service may be suspended.

END OF SECTION 15151