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## **Ramona Municipal Water District's Rules and Regulations for Recycled Water Use Project**



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## **I INTRODUCTION AND PURPOSE**

### **I.1 INTRODUCTION**

Ramona Municipal Water District (District) supplies recycled water to customers (Users) within the District's service area. Recycled water service is provided from two water reclamation plants that produce California Code of Regulations (CCR) Title 22 disinfected tertiary treated recycled water. This water is suitable for, but not limited to, non-potable uses such as irrigation, industrial applications, and recreational impoundment.

The Rules and Regulations stated in this document address the needs of current and future users by describing approved planning, construction, and implementation practices of both off-site and on-site recycled water irrigation systems. The District will evaluate and approve all proposed recycled water uses on a case-by-case basis. The District may determine, at its discretion, the need for additional conditions and may set forth specific requirements as a condition of providing recycled water service, and may require specific approval from the appropriate regulatory agencies. The District is the only authorized recycled water provider within the service area.

### **I.2 BENEFITS OF RECYCLED WATER USE**

Ramona receives 100 percent, and the County of San Diego receives approximately 85 percent, of their respective water supplies through imported resources. Use of non-potable water resources for appropriate applications reduces the demand for imported water and diversifies the local water supply. Maintaining current recycled water customers, as well as increasing recycled water use in the District's service area, enhances water supply reliability for the District and its customers.

### **I.3 PURPOSE OF RULES AND REGULATIONS**

All recycled water provided by the District complies with applicable San Diego Regional Water Quality Control Board (RWQCB) regulations, as well as Federal, state, and local statutes. Water produced by the District meets or exceeds Title 22 recycled water quality standards, as well as applicable State Water Resources Control Board Division of Drinking Water (DDW), formally the California Department of Public Health (CDPH), standards.

These Rules and Regulations address the following recycled water considerations:

- Assure that recycled water supplied by the District meets DDW standards for non-potable use
- Describe the requirements for recycled water use
- Establish the process to acquire a recycled water use permit
- Establish plumbing requirements for new and/or retrofitted on-site facilities



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- Describe training requirements for off-site facilities
- Establish technical requirement to prevent backflow and cross-connection

## **I.4 AUTHORITY**

These Rules and Regulations for Recycled Water Use Projects (Regulations) establish regulations pertaining to the administration of waste discharge requirements (WDRs) issued to the District pursuant to California Water Code Section 13263 and Master Reclamation Permits issued pursuant to Section 13523.1(b)(3), by the RWQCB. These Regulations conform to Ordinances adopted by the District and may be updated, as necessary, to comply with revisions to the WRDs, Master Reclamation Permits, or applicable laws and regulations.

Full recognition of Title 17, Chapter 5 of the CCR dealing with protection of public water supplies by ensuring no cross connection, and full recognition of DDW Guidelines for Use of Recycled Water for Irrigation of Impoundments” is incorporated into these Regulations. In addition, this document draws on a number of references concerning the use of recycled water. A list of these references is provided in Section 8.

## **I.5 APPLICABILITY AND GENERAL REQUIREMENTS**

These Requirements apply to any and all recycled water use and/or users to whom the District distributes recycle water. Use of recycled water must comply with all applicable state law, regulations, District Permits and any amendment thereto, the Ordinances, and these Regulations. Recycled water distribution or service is prohibited by any other entity within the District’s defined service area.



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## 2 DEFINITIONS

For the purpose of these Rules and Regulations, the following terms, phrases, and words shall have the meaning given below. When inconsistent with the context, words used in the present tense include the future, words in the plural include the singular number, and words in the singular include the plural number. The word “shall” is always mandatory and not merely directory.

1. *Air Gap Separation*: a physical break between a supply pipe and a receiving vessel. The air gap shall be at least double the diameter of the supply pipe, measured vertically above the top rim of the vessel, and in no case less than one inch.
2. *Applicant*: an owner, developer, builder, engineer, or authorized representative, firm, corporation, association, or agency that applies for recycled water service under the terms of the Rules and Regulations. A successful applicant becomes a recycled water customer.
3. *Application Rate*: the rate at which water is applied to an irrigation or construction area, expressed in inches per day or gallons per minute per acre.
4. *Approved backflow prevention assembly*: a device installed to protect the potable water supply from contamination; this device shall be approved by the DDW and the District in conformance with applicable portions of Title 17 of the California Code of Regulations (Title 17).
5. *Approved use*: an authorized use of recycled water in a manner, and for a purpose, specifically designated in a “Use Permit” issued by the District and in compliance with any and all applicable regulatory agency requirements.
6. *Automatic System*: with reference to landscape irrigation systems, automatic controllers, valves, and associated equipment required for the programming of effective water application rates when using recycled water.
7. *AWWA*: American Water Works Association.
8. *AWWA Guidelines*: AWWA's Guidelines for Distribution of Non-potable Water, California-Nevada Section, latest edition, or Guidelines for the Onsite Retrofit for Facilities Using Disinfected Tertiary Recycled Water, latest edition.
9. *AWWA Standards*: AWWA's Standards for Construction Materials, latest edition.
10. *Board*: Board of Directors of the Ramona Municipal Water District.
11. *California Department of Public Health (CDPH)*: Not the State Water Resources Control Board Division of Drinking Water.



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12. *Contractor*: the person(s), firm, or corporation entering into a contract with the District, owner, or customer for the performance of work on all or any portion of facilities subject to the Rules and Regulations.
13. *Conversion*: changing on-site supply from potable water to recycled water in cases where sites were designed and installed to use recycled water. (see also "retrofit").
14. *Cross connection*: any unprotected actual or potential connection between a potable water system and any source or system containing unapproved water or a substance that is not or cannot be approved safe, wholesome, and potable; by-pass arrangements, jumper connections, removable sections, swivel or change-over devices and other devices through which backflow could occur. Cross connections shall be as defined in Title 17, California Code of Regulations.
15. *Customer*: any person, group, firm, partnership, corporation, association or agency accepting recycled water from the District's recycled water facilities for use in accordance with the Rules and Regulations.
16. *DDW*: see State Water Resource Control Board Division of Drinking Water:
17. *Design area*: a site, with well-defined boundaries, proposed to receive recycled water for an approved use as delineated in an application for a Use Permit.
18. *Direct overspray*: any discharge of water directly onto areas other than that for which the application of recycled water is approved.
19. *Discharge*: any release or distribution of recycled water to a use area or disposal site/mechanism (outfall, live stream discharge, municipal sewage system); all discharges of recycled water must be approved by the regulatory agencies.
20. *Discharge Permit*: a permit issued by the San Diego Regional Water Quality Control Board (SDRWQCB) for the discharge of recycled water.
21. *Disinfected Tertiary Recycled Water*: filtered and subsequently disinfected wastewater that meets the criteria defined in CCR Title 22, Sections 60301.230 and 60301.320.
22. *Distributor*: any combination, either in whole or in part, of a Recycled Water Wholesaler, Recycled Water Supplier, or Recycled Water Retailer.
23. *District*: the Ramona Municipal Water District.
24. *Effluent*: treated wastewater discharged from a water recycling plant.
25. *Engineer*: a duly qualified, registered engineer authorized to act for the District.
26. *General public*: any person(s) at large who may come in contact with facilities and/or areas where recycled water is approved for use.



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27. *GPM*: gallons per minute.
28. *Hose bib*: a faucet or similar device to which a common garden hose can be readily attached (Title 22 Section 60301.400).
29. *Incidental runoff*: unintended small amounts (volume) of runoff from recycled water use areas, such as over-spray from sprinklers that escapes the recycled water use area.  

“Water leaving a recycled water use area is not considered incidental if it is part of the facility design, if it is due to excessive application, if it is due to intentional overflow or application, or if it is due to negligence.”
30. *Industrial use*: water used for industrial processes such as cooling, flushing, or construction, and other related uses.
31. *Infiltration rate*: the rate at which soil will accept water without overland flow, expressed in inches per hour.
32. *Inspector*: any person(s) authorized by the District to perform inspection of either on-site or off-site facilities prior to construction, during construction, after construction and during operation.
33. *Installer*: a person(s) or firm performing work necessary to construct or install equipment or facilities subject to the Rules and Regulations.
34. *Landscape impoundment*: a body of recycled water, which is used for aesthetic enjoyment, landscape irrigation or which otherwise, that serves a function not intended to include public contact.
35. *Manager*: the General Manager of the District or the person authorized by the Board or the General Manager to act on his behalf.
36. *Non-potable water*: water that is not intended for human consumption in conformance with the standards referred to in the definition of Potable Water, below, such as potable water downstream of an approved backflow device within an irrigation system.
37. *Off-site facilities*: existing or proposed facilities under the control of the District, from the source of supply to the point of connection with the customer's on-site facilities, up to and including the District's meter and meter box.
38. *Off-site supervisor*: a qualified person designated by the District to be responsible for the safe and efficient operation of the District's recycled water distribution system; this person shall be knowledgeable in the construction and operation of recycled water distribution systems and in the application of State and local guidelines, criteria, standards, and regulations governing the use of recycled water.



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39. *On-site facilities*: existing or proposed facilities within property under the control of the customer or owner, normally downstream of the District's meter tailpiece.
40. *On-site supervisor*: a qualified person, designated by a recycled water customer and approved by the District, to be responsible for the safe and efficient operation of the customer's recycled water system. The person shall be knowledgeable in the construction and operation of recycled water and irrigation systems and in the application of State and local guidelines, criteria, standards and regulations governing the use of recycled water, and shall be trained in cross-connection control to the satisfaction of the District.
41. *Owner*: any holder of legal title, contract purchaser, or lessee under a lease with an unexpired term of more than one (1) year, of property for which recycled water service has been requested or established.
42. *Permit*: the processed and approved application to utilize recycled water and agreement with the District for recycled water service.
43. *Plans*: the plans, working drawings, detail drawings, specifications, profiles, typical cross sections and supplemental drawings or reproductions thereof that shows locations, character, dimensions or details of the work.
44. *POC*: point of connection.
45. *Ponding*: retention of recycled water on the surface of the ground or other natural or manmade surface that exceeds the surface infiltration rate and that is unable to runoff due to gravity such that a hazard or potential hazard to the public health results.
46. *Potable water*: water that is pure and wholesome, that will not endanger the health, safety and welfare of human beings, and conforms to the latest edition of the United States Public Health Service Drinking Water Standards, the California Safe Drinking Water Act, or other applicable standards.
47. *PPC*: positive pressure check.
48. *Property Owner*: the holder of legal title, contract purchaser, or lessee under a lease with an unexpired term of more than one (1) year, of property for which recycled water service has been requested or established.
49. *PVC*: polyvinyl chloride.
50. *Reclamation Plant*: the Ramona Municipal Water District treatment facilities that receive and treat wastewater for beneficial uses.



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51. *Record Drawings*: the drawings that correctly show the completed facilities as constructed or modified (as-built).
52. *Recreational Impoundment*: a body of recycled water used for recreational activities including, but not limited to, fishing, boating, and/or swimming; allowable uses will depend on treatment level of the recycled water.
53. *Recycled Water*: the water served from the District's off-site facilities as a result of treatment of municipal wastewater that is suitable for beneficial use or a controlled use that would not otherwise occur. For this project, it is disinfected tertiary recycled which is produced from wastewater by one of Ramona Municipal Water District's reclamation plants and is suitable for direct beneficial uses in accordance with Title 22.
54. *Recycled Water Facilities*: the District facilities that produce, convey, supply and store recycled water.
55. *Recycled water service connection*: the point of connection of the customer's recycled water line with the recycled water service line of the District, which shall normally be the downstream end of the recycled water meter.
56. *Recycled water service line*: the District's facility between its recycled water distribution system and the recycled water service connection.
57. *Recycled water use area (Use Area)*: an area where recycled water is to be used which is defined by its boundaries or project area (e.g., a golf course, residential neighborhood, school yard, park, etc.) so as to be consistent with the Rules and Regulations, SDRWQCB Order No. 97-52, and Title 22 Section 60301.920.
58. *Reduced pressure principle backflow prevention assembly*: a backflow prevention device incorporating not less than two check valves, an automatically-operated differential relief valve located between the two check valves, a completely closing shut-off valve on each side of the check valve assembly, equipped with test cocks for testing.
59. *Regulatory agencies*: those public agencies legally constituted to protect the public health and water quality and having regulatory authority over the District, such as SDRWQCB, DDW and San Diego Department of Health (DOH), and others as may be appropriate.
60. *Regulations*: these "Rules and Regulations for Recycled Water," prepared pursuant to the RMWD Discharge Permit, and all rules and regulations of other local or State agency or other regulations referred to and incorporated herein.
61. *Retrofit*: modifying on-site facilities that were originally designed to accommodate potable water use so that they now accommodate recycled water use in compliance with the Regulations.



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62. *RMWD*: Ramona Municipal Water District
63. *Runoff*: flow of water along the surface of the ground or other natural or man-made surface, including but not limited to, pedestrian walkways, streets, playground surfaces, and grassy slopes.
64. *SDRWQCB*: the San Diego Regional Water Quality Control Board.
65. *Secondary effluent*: wastewater that has been treated to a minimum level of effluent quality based on rules and regulations of the Environmental Protection Agency and defined with respect to biochemical oxygen demand, suspended solids, fecal coliform bacteria, and pH.
66. *Service*: the furnishing of recycled water to a customer through a metered connection to the on-site facilities.
67. *Service connection*: the facilities between the recycled water distribution system and the customer's recycled water meter.
68. *Standard Specifications*: specifications adopted by the District for construction of potable water, sewer, and recycled water facilities, available on the Internet at <http://www.sdwas.com/> "*Standard Specifications*" and "*Standard Drawings*".
69. *State*: State of California.
70. *State Water Resource Control Board Division of Drinking Water*: State Water Resources Control Board Division of Drinking Water (DDW) formally the California Department of Public Health (CDPH): the primary State agency responsible for protection of public health and the regulation of drinking water. The Legislature has defined several specific regulatory responsibilities of DDW related directly or indirectly to recycled water use activities including establishment of statewide water reclamation criteria advising the Regional Water Boards in the drafting of water reclamation requirements; review and approval of certain proposed water reclamation projects; abatement of contamination resulting from use of recycled water where public health is seriously threatened; and control of cross-connections between potable and recycled water systems.
71. *Tertiary effluent*: secondary effluent that has been disinfected and filtered consistent with provisions in *Water Recycling Criteria*.
72. *Terms*: all terms relating to matter of opinion or judgment, such as in regards to approvals, requirements, directions, or acceptances, denote the option or judgments of the District.
73. *Transfer*: the conveyance or movement of recycled water from one agency to another agency. Transfer includes the conveyance of control or responsibility of a volume of



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recycled water stored in a storage facility commonly owned or controlled by more than one agency.

74. *Treated wastewater*: wastewater treated in accordance with the requirements of " *Water Recycling Criteria*."
75. *Unauthorized discharge*: any release of recycled water that violates the Rules and Regulations or any applicable federal, state, or local statute, regulation, ordinance, contract, or other requirement. Per Water Code Section 1359.2, discharge of recycled water, without regard to intent or negligence, not authorized by waste discharge requirements issued pursuant to Water Code Sections 1360-13274 (i.e., RWD, WDRs, waiver, etc.), 13523 (i.e., WRRs), or 1323 (i.e., Master Reclamation Permit).
76. *Use area*: the specific area contained within a use site, designated to be served with recycled water through on-site facilities.
77. *Use site*: the specific property, containing one or more use areas, designated by the legally recorded tract and lot or parcel map description.
78. *Use Permit*: a permit issued by the District to a recycled water service applicant after the satisfactory completion of the service application procedures set forth in the Regulations; this permit constitutes a service agreement that legally binds the customer/customers to all conditions in the Rules and Regulations and to any and all applicable regulatory agency requirements.
79. *User*: a person or entity that uses recycled water.
80. *Violation*: noncompliance with any condition or conditions of the Rules and Regulations and/or a Use Permit by any person, action or occurrence, whether willfully or by accident.
81. *Water reclamation*: the treatment of wastewater to produce a product that is approved for specific beneficial uses by the appropriate regulatory agency.
82. *Water Recycling Criteria*: the Uniform statewide recycling criteria established in California Code of Regulations Title 22 by DDW for each varying type of use of recycled water where the use involves the protection of public health (Water Code Section 13521).
83. *Windblown spray*: dispersed, airborne recycled water capable of being transmitted through the air by natural or manmade wind to locations other than that for which the direct application of recycled water is approved.



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## **3 GENERAL REQUIREMENTS**

### **3.1 RECYCLED WATER SERVICE REQUIREMENTS**

The Ramona Municipal Water District (District) Rules and Regulations (Regulations) for Recycled Water Use defines permitted and prohibited uses of recycled water distributed by the District. Recycled water supplied by the District shall only be used for the permitted approved use as stated in the Recycled Water User Agreement. Any use other than stated in the Recycled Water User Agreement is subject to fine and revocation of permitting. These Regulations apply to all entities permitted to receive District recycled water. The use of said water must comply with all related laws, regulations, and permits. Recycled water users shall take active measures to ensure that potable water supply is protected and shall not create nuisances as defined by the California Water Code Section 13050 (M) [Permit Condition I].

### **3.2 APPROVED USES**

The District-approved uses of recycled water include the following:

- Parks, greenbelts, and playgrounds
- School yards
- Athletic fields
- Golf courses
- Cemeteries
- Commercial landscaping, except eating areas
- Industrial landscaping, except eating areas
- Freeway, highway and street landscaping
- Agricultural irrigation
- Fire-fighting (special approval needed)
- Construction use (soil compaction, dust control, etc.)

Each potential use of recycled water must be approved by the District, and will be done so on a case-by-case basis. The District will use engineering judgement and discretion to determine if the requested application is appropriate and will be approved or denied based on this judgement. Recycled water service decisions are at the sole discretion of the District.

Recycled water user shall provide written notification, within one month of said change, to the District of any material change or proposed change in the character of the use of recycled water.



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## **3.3 RECYCLED WATER SUPPLY DETERMINATION CRITERIA**

District determination for recycled water will be based on, but not limited to, the following criteria:

1. Development area is within feasible distance of service connection point
2. The desired volume of flow, flow rate, and supply pressure is achievable by the District
3. Application of recycled water shall be only for approved uses as stated in Recycled Water User Agreement
4. Construction of on-site facilities shall comply with all applicable Federal, State, County, Regional, and District standards
5. Protective measures shall be taken to ensure that public health will not be negatively impacted by the implementation of the project

## **3.4 NEW DEVELOPMENT**

Once the District has determined that recycled water supply is feasible, the user or developer shall be required to install on-site facilities of both potable water and recycled water. The developer shall bare the full cost of both potable and recycled water facilities installation and construction, including all off- and on-site facilities required to provide proper service.

## **3.5 EXISTING SITE RETROFIT**

The District may request current potable water customers to begin utilizing recycled water, and as such will be requested to retrofit existing on-site facilities to accommodate recycled water service. The District has the authority to compel recycled water use under its Mandatory Use Ordinance.

## **3.6 RECYCLED WATER USE IMPLEMENTATION PROCESS**

Upon inquiry by a developer or potential recycled water user, the District will determine the feasibility of recycled water supply to the user's or developer's property in the desired daily volume, flow rate, supply pressure, and water quality. Once determined that supply of recycled water is feasible, the developer shall adhere to the following steps to implement recycled water delivery:

1. Submit application for recycled water use
2. Submit facility plans
3. Revise plans as directed by the District and other regulatory personnel
4. Re-submit plans for approval of design



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5. Construct on-site and off-site recycled water facilities
6. Install backflow prevention devices as directed by District
7. Provide access to property for cross-connection inspection and testing
8. Provide access to property for final inspection of facility
9. Sign Recycled Water User Agreement
10. Receive Recycled Water Use Permit

### **3.6.1 Application for Use**

Applications for recycled water use shall be submitted to the District. Application fees shall be received by the District prior to the commencement of any work by the developer or the District. The District will work in conjunction with State Water Resources Control Board Division of Drinking Water (DDW), County of San Diego Department of Environmental Health (DEH), and the San Diego Regional Water Quality Control Board (RWQCB) to establish recycled water discharge requirements for the requested location. Recycled water will be supplied by the District consistent with RWQCB requirements, as well as requirements specified by the Wastewater Reclamation Criteria established by the DDW. Upon determination that District, DDW, DEH, and RWQCB requirements are met, the District will notify the user or developer to allow for system design.

The application shall provide information concerning the following:

- Applicant's relationship to the subject property as legal owner, or authorized representative
- Legal description of the property to be served
- Purpose for which the property is to be used
- Intended use for recycled water
- Total area to be served per this application
- Estimated maximum service requirements
- Any special conditions for service pursuant to these Rules and Regulations
- Any additional information as identified by the District Engineer.

The application shall be accompanied by an exhibit comprised of four copies of a scaled drawing of suitable size delineating the proposed service area, identifying the location and size of recycled water and potable water service connections, and delineating any areas in which recycled water service is to be specifically excluded.

The applicant for a recycled water service permit under these Rules and Regulations must state thereupon that he agrees to comply with the requirements of these Rules and Regulations and any and all applicable federal, state and local statutes, ordinances, resolutions, and regulations.



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Upon receipt of an application, the District will review the application and make such investigation relating thereto as it deems necessary. The District will determine if the property to be served is an area suitable for recycled water use, and if recycled water can be made available to the applicant. The District may prescribe specific requirements in writing to the applicant as to the facilities necessary to be constructed, including design, manner of construction, method of operation and the conditions of service. Upon successful completion of its review, the District will submit the application and the required exhibit(s) for notification and concurrence of the California Department of Public Health (CDPH) and the County of San Diego Department of Environmental Health (County DEH).

### **3.6.2 Submission of Plans**

The user or developer shall design and submit on-site recycled water distribution system plans so that the following criteria are met:

- All discharges are confined to their designated areas
- Discharge shall not create odors, slime or unsightly deposits, vectors or other nuisances
- Human consumption is prohibited and prevented
- Potable water supply is protected
- Construction methods as defined by Title 22 are strictly adhered to
- Recycled water use must not cause pollution, contamination or nuisance, as defined by California Water Code Section 13050 (M). [Permit Condition I]

If necessary, the District will provide direction and feedback to the user or developer regarding, but not limited to, system design, construction methods, construction materials, appropriate signage, work schedule, and application rate.

### **3.6.3 Revision of Plans**

The user or developer shall implement directions and feedback as directed by the District and/or County DEH personnel.

### **3.6.4 Re-submission of Plans**

The user or developer shall re-submit plans and pay any subsequent fees associated with review of said plans. District and County DEH personnel will review plans and provide feedback to the user or developer until design criteria are met. Recycled water design plans will be approved when all design criteria are met.



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### **3.6.5 On-and Off-site Facility Construction**

The user or developer shall construct the off- and on-site facilities in accordance with the approved plans and specifications of the project.

### **3.6.6 Backflow Prevention Installation**

At the discretion of the District, backflow prevention device(s) shall be installed to protect the District potable water supply against cross-connection in accordance with provisions listed in CCR Title 17 Article 2 Sections 7601-7604. Installation of backflow prevention devices shall not be used in lieu of cross-connection prevention protocol.

### **3.6.7 Cross Connection Inspection and Testing**

Testing for cross connection prevention shall be completed by a District- and County DEH-approved specialist, and shall be at the sole expense of the user or developer. The individual overseeing the test must hold a current State of California recognized certification as a cross-connection control specialist. The user or developer shall provide the District and County DEH representatives access to the property being tested at all times.

### **3.6.8 Final Inspection and Testing**

Upon the user's or developer's successful completion of all implementation steps, the District will provide final inspection of newly constructed facility.

### **3.6.9 User Agreement**

The District and the user or developer shall enter into an agreement whereby both parties agree to the terms in the Recycled Water User Agreement. Any amendments to the Recycled Water User Agreement must be agreed upon by both parties, in writing, prior to any changes in recycled water delivery or its application thereto.

### **3.6.10 Permit Issuance**

The District will issue a recycled water use permit upon completion of all required documentation, inspection approvals, and all associated payments are processed.

### **3.6.11 Permit Updates**

If any property, where recycled water is in use, is transferred to a new owner or tenant, or a new Site Supervisor or landscape maintenance professional becomes responsible for recycled water system maintenance, the user must notify the District within 30 days to remain in compliance with the conditions of their Permit. Failure to provide such notification may result in loss of said permit and discontinuance of recycled water service. Determination of such



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failures or protocol and imposition of penalties or recycled water service discontinuance shall be at the sole discretion of the District.

### **3.6.12 Scheduling of Recycled Water Deliveries**

The District reserves the right to schedule the use of recycled water if, in the opinion of the District as final distributor, scheduling is necessary for purposes including, but not limited to, the maintenance of an acceptable working pressure in the recycled water system and providing for reasonable safeguards in relation to public health and beneficial uses of recycled water. Users or developers shall adhere to all scheduling of recycled water deliveries defined by the District. Failure to adhere to said scheduling, at the sole discretion of the District, may result in loss of recycled water permit and/or loss of recycled water service.

### **3.6.13 Emergency Connections to the Potable Water System**

If, in the opinion of the District as distributor of recycled water, an emergency exists, or is threatened to occur, whereby all or a portion of the water in the recycled water system is not available, the District may approve a temporary connection, through proper backflow and/or air gap devices, to the potable water system. The decision to allow temporary service through the potable system shall be at the sole discretion of the District.

## **3.7 Recycled Water Rates & Conditions for Service**

### **3.7.1 Establishment of Rates and Conditions:**

The District Board of Directors will establish recycled water rates, terms, and conditions of service within the District, in accordance with applicable state and local regulations.

### **3.7.2 Change of Rates or Conditions of Service**

The District reserves the right to change its rates or conditions of service at any time, in accordance with applicable state and local regulations.

### **3.7.3 Recycled Water Billing**

Billing for recycled water service will be rendered in a manner consistent with its potable water bills, whether in conjunction with the potable water bill or by separate billing. The District reserves the right to adapt or change its billing procedures to the specific recycled water user or developer to facilitate accurate and timely collections.

### **3.7.4 Metering For the Purpose of Computing Bills**

Each meter on the user's or developer's property shall be considered separately, and readings of two or more meters shall not be combined as equivalent to measurement through one



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meter. The only exception shall include those instances in which, by special operating conditions, the District substitutes two or more meters of a smaller size for a single larger meter on the same service connection, in which event the size of service connection shall be substituted for the size of the meter in the application of the rate schedule.

### **3.7.5 Time and Manner of Payment for Recycled Water Bills**

Recycled water bills are due and payable upon presentation. Bills may be paid at the office of the District or by mailing to Ramona Municipal Water District, 105 Earlham Street, Ramona, California 92065-1599.

All meters will be read and billed monthly.

Payment of recycled water bills not received within twenty-five days after billing date will be considered delinquent and will be subject to a ten percent (10%) penalty. The District will make a reasonable attempt to notify by telephone or in person delinquent accounts at least forty-eight hours prior to a scheduled turn-off for a delinquent account. The user or developer may avoid discontinuation of service by paying the amount past due.

The District may, at its discretion and for the convenience of the user, accept an advance payment for a period of time.

The District will make a charge to a user's account, an amount equal to ten percent (10%) of the overdue amount, each time payments are made by checks that are returned to the District due to insufficient funds.

### **3.7.6 Security Deposit**

The District may require a user or developer to post a security deposit, if deemed necessary by reason of estimated future recycled water billings or if there is an instance or instances of monthly delinquency. The amount shall not be less than the estimated cost of recycled water service for the maximum two-month period or such other amount as determined by the District. Deposits may be refunded after one year at the request of the user or developer; providing that all bills rendered during the preceding twelve-month period have been paid within twenty-five days after mailing. Otherwise, the deposit will be refunded on termination of service and payment of the final utility bill.

## **3.8 REGULATORY AGENCIES**

The following is a summary of the regulatory agencies that may be involved in the approval process or future inspections as the result of using recycled water use within an approved property:



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Regulatory Agency and Responsibility	Address	Phone Number
<b>Ramona Municipal Water District</b> Recycled water purveyor	105 Earlham Street Ramona, California 92065	760.789.1330
<b>County of San Diego Department of Environmental Health</b> Local agency responsible for protection of public health via the conversion of sites to recycled water	1600 Pacific Highway, Rm 206 San Diego California 92101	619.525.4159
<b>State Water Resources Control Board Division of Drinking Water (District 14)</b> State agency responsible for protection of public health and regulation of drinking water	5500 Overland Avenue, Suite 110 San Diego California 92123	619.607.8351
<b>RWQCB – San Diego Offices</b> State agency responsible for the preservation, enhancement, and restoring the quality of California's water resources and drinking water for the protection of the environment, public health, and all beneficial uses, and to ensure proper water resource allocation and efficient use.	2375 Northside Drive, Suite 100 San Diego, California 92108	619.516.1994





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## **4.1.2 On-site Facilities**

Recycled water supplied to the user or developer shall be metered at the point of connection. Modification or relocation of the meter or any other facility that results in nonconformance with the applicable provisions of these Rules and Regulations is prohibited and shall be corrected at the expense of the applicant, owner, or customer. Upon failure or refusal of the applicant, owner, or customer to make such correction, the District may, after providing reasonable notice to the applicant, owner or customer, make the correction and charge the applicant, owner or customer for the cost of doing so. The District may also discontinue recycled water service until required corrections are completed.

Any on-site recycled water facilities shall be provided by the applicant, owner, or customer at their expense. The applicant, owner, or customer shall retain title to such on-site facilities.

## **4.2 ON-SITE IRRIGATION SYSTEMS**

### **4.2.1 Design Responsibility**

The applicant, owner, or customer shall be responsible for design of on-site recycled water facilities. On-site recycled water facilities, in addition to conforming to the District's Rules and Regulations, shall conform to local governing codes, and any stipulations included in the User's Recycled Water Agreement and User Permit.

### **4.2.2 Provisions for Recycled Water**

In areas where recycled water is not immediately available and the area is ready for construction, an approved backflow prevention assembly shall be required for all potable water use. This assembly shall be provided, installed, and tested at least annually by the customer. All maintenance of the on-site backflow prevention assembly shall be the responsibility of the customer. In cases where the District installs a master backflow prevention assembly at the recycled water delivery point between the recycled water system and the potable water system, the District may waive requirement of the customer to install an on-site approved backflow prevention assembly. This waiver will be determined on a case-by-case basis.

Backflow prevention assemblies are not required on recycled water irrigation systems after service has commenced with recycled water. The District may allow the removal of the backflow prevention device. This procedure shall be performed only by authorized District personnel at the expense of the owner. On properties where the District has required backflow prevention assemblies, the District will test the recycled water backflow prevention assemblies on an annual basis.

The District will provide notification of actions taken with backflow prevention assemblies to the DDW and/or San Diego Department of Health (DOH).



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## 4.2.3 Design Application Rates

The on-site irrigation system shall be designed to apply irrigation water in a manner compatible with the infiltration rates of the soil types within the approved use area.

## 4.2.4 System Layout

The irrigation system shall be designed to prevent discharge onto areas that are not approved for recycled water use. Recycled water leaving the planting areas, whether by direct overspray, ponding, runoff, or windblown spray, shall be minimized. The irrigation system design shall avoid spray patterns that include obstructions that tend to concentrate recycled water to produce ponding and/or runoff, such as direct or indirect spraying against structures or objects. Adjustable arc, adjustable radius sprinklers with anti-drain/check valves shall be used adjacent to roadways, boundary lines, and hardscape to confine the discharge from the irrigation system to the design area.

The on-site irrigation system shall be required to automatically shut-off in the event of a line break. Utilize all available equipment to prevent unauthorized discharge of recycled water.

Common trenching of any utility line with recycled water supply lines is prohibited.

When a property served with recycled water is subdivided, the recycled water connection and meter shall be considered to serve the lot or parcel of land on which the meter is located. Additional recycled water mains and/or recycled water service lines shall be required for recycle water service to subdivided areas in accordance with these Regulations.

For properties of the same customer, irrigation systems shall be allowed to cross roads, streets, or other public rights-of-way to serve medians and slopes along streets. For properties under the ownership and control of other parties, a recorded easement shall be mandatory. A copy shall be provided to the District.

All recycled water used on any property must pass through the recycled water meter. Customers shall be held responsible and charged for all recycled water passing through the recycled water meters.

## 4.2.5 Piping Separation Requirements

Horizontal Separation: Recycled water pipelines shall maintain a minimum four (4) foot horizontal separation at all times from all potable water piping. If a four (4) foot horizontal separation is not possible, special construction requirements shall be considered on a case-by-case basis.

Vertical Separation: Vertical separation of new construction shall be located from the ground surface in order of descending quality. Potable water shall be above recycled water, recycled



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water above wastewater. Minimum vertical separation shall be one (1) foot between the top and bottom extents of the pipelines.

### **4.2.6 System Control Devices**

New recycled water supply construction shall utilize an angle stop on the inlet side of the meter, and shall utilize a ball valve on the outlet side of the meter. Meters and valves shall be located within a District-maintained meter box. The angle stop and ball valve are to be used only by District personnel to control the recycled water supply through the water service line. If the angle stop, ball valve, meter box, meter lid, or touch reader equipment is damaged by the customer or their use of recycled water to an extent requiring replacement, then the customer shall bear full financial responsibility for repair and replacement.

Newly constructed on-site irrigation systems shall be required to automatically shut-off in the event of a line breach. A master valve, in conjunction with an irrigation controller and flow sensor, shall be used to provide automatic system shut-off in the event of excessive flow. Retrofitted and converted on-site irrigation systems may be required to install an automatic shut-off valve at the District's discretion.

### **4.2.7 Identification Requirements**

Any sites that contain multiple water systems within the site (i.e.: potable water for domestic purposes; potable water for fire systems; non-potable water for irrigation purposes; and recycled water for irrigation purposes) will require identification of the on-site facilities to clearly distinguish each facility. Colors and materials used for the identification of water and recycled water facilities, appurtenances, equipment, storage facilities, and approved recycled water use areas shall be in accordance with these Rules and Regulations and the DDW Recycled Water-Related Statutes and Regulations.

### **4.2.8 Plan Requirements**

Facility layout drawings shall be signed by the design engineer and shall include the construction of the recycled water use area, and the on-site irrigation system, as a minimum. This drawing shall indicate the exact boundaries of the site of the proposed recycled water use at a scale that includes the site and the nearest paved surface street containing a recycled water distribution main. These drawings shall be submitted to the District and approved by the District prior to commencing any installation of facilities.

Plans shall include a vicinity index map, indexed site map for each sheet and shall include major street crossings, street names, and point of connection. The title sheet shall show the legal description of the property. Plans shall include the irrigation system design, notes, appurtenance details, and legends without separate attachments. The plans shall be signed by the design engineer and shall be submitted to the District for review and approval. The District's signature block shall be included on the Title Sheet of the plans.



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The following facilities shall be shown on the plans, as a minimum:

- Potable and recycled water mainline and valve locations within the surrounding streets;
- Potable, fire, non-potable and recycled water lines;
- Specific recycled water use areas;
- Location of wells;
- Location of streams and other water bodies;
- Location of sewer facilities;
- Equipment legends;
- Locations and descriptions of backflow prevention devices;
- Location and size of service connections and meters, including fire protection;
- Show fire hydrants and fire protection facilities;
- Show buildings;
- Show hardscape (including walls, fencing, drainage devices);
- Show play areas and equipment, ball field layouts and courts;
- Designate exterior eating areas, including tables, benches and barbeques;
- Location of water features; and
- Location of drinking fountains and restrooms.

The following specific call-outs shall be shown on the irrigation plans:

- Points of connections and signage (including size of sign, location and example of sign);
- Routing of irrigation supply lines and related appurtenances;
- Gate valves;
- Sprinkler control valves including hours of operation (within 9:00 pm to 6:00 am);
- Quick coupling valves;
- Routing of control wires;
- Irrigation controllers;
- Remote control valves;
- Irrigation pumps, piping and appurtenances; and
- Irrigation-related appurtenances.



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### **4.2.9 Meter and Irrigation Criteria**

The following irrigation meter criteria information shall be included in each set of plans adjacent to each recycled water meter:

1. Meter Size (in);
2. Design Pressure at Meter (psi);
3. Average Application Rate (gpm);
4. Peak Application Rate (gpm);
5. Gross Area Served (square feet or acres irrigated); and
6. Annual Irrigation Water Use (acre-ft).

A legend shall be included on the plans showing the irrigation criteria including the pertinent data for the materials used in the irrigation system. The legend shall include a pipe schedule listing pipe sizes and materials of construction, valve types, and the following information for each type of sprinkler head:

1. Manufacturer and model number;
2. Sprinkler radius (ft);
3. Operating pressure (psi);
4. Flow (gpm);
5. Sprinkler pattern.

Call-Outs: Exterior drinking fountains and potable water hose bibs and other public facilities shall be shown and called out on the plans. If no exterior drinking fountains or other public facilities are present in the design area, then it shall be specifically stated on the plans that none exist.

### **4.2.10 Standard Recycled Water Notes**

As a minimum, the below standard notes shall be listed on the plans.

1. The design and installation of the user landscape sprinkler irrigation system shall conform to District's Recycled Water Rules and Regulations as well as all State and County guidelines, articles, and codes regarding the design, installation, identification, use and maintenance of on-site systems and protection of the public's health.
2. No construction shall take place without all required approvals and signatures on the plans.



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3. The District's engineering department shall be notified a minimum of three (3) working days (72 hours) prior to construction.
4. Potable and recycled water meters, backflow assemblies, and related appurtenances shall be installed, inspected, and tested per the WAS Specifications and/or Rules and Regulations before any recycled water use can take place.
5. Off-site and user (on-site) recycled waste systems piping shall be identified as recycled water in accordance with the WAS Specifications and the District's Recycled Water Rules and Regulations

### **4.3 ON-SITE RECYCLED WATER RETROFIT PROCEDURES**

The District may require an existing customer to retrofit an existing on-site irrigation water service facility to accommodate recycled water service. This determination will require a comprehensive investigation to be performed by or for the District at the expense of the customer.

The facilities to be converted to recycled water shall be investigated on a case-by-case basis, in detail, including review of any record drawings, preparation of necessary field work, preliminary cross-connection and coverage testing, and determinations by the District of measures necessary to bring the facility into full compliance with these Rules and Regulations for Recycled Water Service. After District approval, DDW and DOH shall also review and approve all conversions in accordance with these Rules and Regulations and the Use Permit application process. No existing on-site potable water facilities shall be connected to or be incorporated into the recycled water system without the District and other regulatory agencies testing and approval.

As a minimum, the retrofit of a potable water system to a recycled water system shall require:

- Identification of existing on-site above grade pressure pipelines, valves, and appurtenances in accordance with requirements of these Rules and Regulations for new construction of recycled water systems;
- Installation of an approved air gap or backflow prevention assembly devices in accordance with requirements of these Rules and Regulations and subject to cross-connection control tests required in order to prevent cross connection or contamination of a potable water system at any location where it is proposed to retain a connection to a potable system;
- Performance of dye test or pressure tests to determine existence of cross connection with all on-site potable water systems;
- Submittal of as-built record drawings package; and
- Completion and submittal of Recycled Water Services Application and Use Permit.



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The District may require the installation of a master valve and flow sensor to automatically shut-off the system in the event of a pipeline breach. This requirement will be evaluated on a case-by-case basis.

## **4.4 ON-SITE DISTRIBUTION FACILITIES**

Transmission lines for conveying recycled water from the metered service connection to a storage container or water distribution vehicle shall be of adequate size and structural integrity to ensure that leaks or ruptures will not occur in the course of normal construction activity. The customer shall design and construct these facilities, as required.

Lines crossing construction roadways or other areas receiving regular vehicular traffic must be buried to a depth of at least 24 inches for pipes less than 2 inch diameter or a minimum of 36 inches deep if pipe diameter is 2 inches or greater. Pipelines shall be sleeved with Class 200 pipe twice the diameter of the transmission line under existing roadways or traffic areas. Rigid pipe, able to withstand the planned vehicular loads, shall be employed for such installations. Pipelines and appurtenances shall be identified as recycled water to the satisfaction of the District, in accordance with WAS standards.

### **4.4.1 Storage Facilities**

Recycled water storage tanks and distribution vehicles shall be of adequate design and structural integrity to ensure that leaks or ruptures will not occur in the course of normal use. The customer shall provide these tanks or ponds. Storage ponds and storage tanks, not supported more than six feet above ground-level, shall be contained within a fence or other enclosure that will restrict access by the general public to these facilities at all times when operations personnel are not present.

Outlet control, with positive shut-off, shall be provided for each storage facility with mandatory District-approved air gaps. Storage tanks and distribution vehicles shall be identified as recycled water to the satisfaction of the District.

Recycled water storage facilities owned and/or operated by the customer shall be protected against erosion, overland runoff, and other impacts, up and including the 100-year frequency, 24-hour storm event, as defined by the San Diego County Flood Control Agency.

### **4.4.2 Distribution Vehicles**

Vehicles used for distributing recycled water for soil compaction and dust control shall be provided with adequate tanks and plumbing systems to ensure that leaks and ruptures will not occur in the course of normal use. A District-approved air gap is mandatory for filling said vehicles. Control valves shall be provided such that the recycled water can be applied in a controlled fashion on the approved use area and completely retained during transit in other areas. Spray heads or nozzles shall be provided and configured such that the discharge is



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uniformly distributed and runoff, ponding, or windblown overspray conditions minimized. The vehicle shall be properly marked for RW use, and water shall not be stored in the vehicle when not in use.

### **4.5 CONVERSION FROM RECYCLED WATER USE**

If, due to on-site failure of the recycled water system or use violations, the District determines it necessary to convert on-site facilities from a recycled water supply to a potable, or other water supply, it shall be the responsibility of the customer to perform conversion, unless determined otherwise by the District. Prior to District approval, the DDW and DOH shall review and approve all conversions. As part of the conversion effort, the customer shall:

- Isolate the recycled water supply. Service shall be removed and plugged at the recycled water main or abandoned in a manner approved by the District or their designated representative;
- Installation and testing approved backflow prevention assemblies. The customer shall install approved backflow prevention assemblies on potable, recycled water, or other water meter connections;
- Remove special recycled water quick couplers. The customer shall be responsible for replacement with quick couplers approved for potable water systems;
- Notify on-site personnel involved;
- Remove recycled water identification labels/signs, tags, and tapes where possible. Change out branded valve box lids, to the satisfaction of the District; and
- Provide required disinfection of recycled water systems as mandated by appropriate regulatory agencies, and to the satisfaction of the District.



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## **5 CONSTRUCTION REQUIREMENTS**

### **5.1 GENERAL CONDITIONS**

Off- and on-site water and recycled water facilities, that will be ultimately owned by the District, shall be designed and constructed in accordance with District and WAS requirements, conditions, and standards of the District, including Standard Specifications and Drawings.

On-site irrigation facilities shall be designed by the design engineer for the owner and shall meet District requirements, as well as the requirements described in the WAS Standard Specifications and Approved Materials section. In addition to these minimum requirements, the design of on-site irrigation facilities shall conform to local governing codes, rules, and regulations.

The following details and specifications are for customer construction for specific irrigation using recycled water and are intended as examples of current use practice. They are not intended to preclude other approved uses that may require case-by-case specifications.

Construction work for on-site recycled water facilities shall be in conformance with these Rules and Regulations, and addendums thereto. Work is to begin only after the contractor, installer, or customer has obtained approval in the form of signed plans or revisions for recycled water use from the District (issued a Use Permit) and the District has received approval from the DDW and the RWQCB.

#### **5.1.1 Permits and Licenses**

Except as otherwise provided, the contractor shall procure permits and licenses, pay charges and fees, and give notices necessary and incidental to the lawful completion of the work.

#### **5.1.2 Liability**

Neither the District, the Director of Engineering, the District Engineer, nor any other officer, member of the Board of Directors of the District, WAS, RWQCB, the DDW, employee, or authorized agent of the said agencies shall be personally responsible for any liability arising out of the work performed.

The customer shall procure and maintain for the duration of the construction period certificates of general liability insurance and workmanship insurance in forms and amendments approved by the District and naming the District, District Engineer, RWQCB, DDW, DEH and the agencies/individuals reviewing the plans and specifications as additional insurers.



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### **5.1.3 Loss and Damage**

Neither the District, District Engineer, RWQCB, DDW, nor authorized representatives of them shall be held answerable or accountable in any manner for any loss or damage that may happen to the work or any part thereof; or for any material or equipment used in performing the work; or for injury or damage to any person(s), either workmen or the public; or for damage to adjoining property from any cause whatsoever during the progress of the work or at any time before or after final acceptance.

### **5.1.4 Legal Responsibility**

The contractor shall keep fully informed of all laws, ordinances and regulations that in any manner affect those engaged or employed in the work or the materials used in the work, or that in any way affect the conduct of the work, and of all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the same. If any discrepancy or inconsistency is discovered in the plans, drawings, specifications, or other documents in relation to any such law, ordinance, regulations, order, or decree, the contractor shall forthwith report the same to the design engineer and the District in writing.

The Contractor shall observe and comply with and shall cause all of contractor's agents and employees to observe and comply with all such existing and future laws, ordinances, resolutions, regulations, orders and decrees, and shall protect and indemnify the District, District Engineer, RWQCB, DDW, and all their officers and agents against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order or decree, whether by the contractor or contractor's employees.

The Contractor shall also indemnify and save the District, its officers, its employees, its consultants or authorized agents harmless from all costs, losses, expenses, damages, attorneys' fees, and other costs of defense that the District may incur with respect to or on account of the work, and with respect to the failure, neglect or refusal of contractor to faithfully perform the work and all of contractor's obligations under the contract. Such costs, expenses, and damages shall include all costs incurred by the District to defend against any claims, stop notices, or lawsuits based thereon in which the District is made a party.

The Contractor shall observe the rules and regulations of the State, Department of Industrial Relations, Division of Industrial Safety, and, in particular, rules and regulations relating to shoring of trenches and excavations. All work shall be done in accordance with all directives, provisions and requirements pertaining to the method and manner of performing the work, in accordance with CAL-OSHA latest amendment or revision.

The Contractor shall provide a job foreman present during working hours that can communicate effectively with District personnel both orally and in writing.





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## **5.2.2 Facility Material Requirements**

Materials related to the supply of recycled water shall adhere the WAS Standard Specifications and Approved Materials section.

## **5.3 METHODS OF CONSTRUCTION**

### **5.3.1 Off-Site Potable and Recycled Water Facilities**

Off- and on-site water and recycled water facilities that will be ultimately owned by the District shall be constructed according to the requirements, conditions, and standards of the District, including the District's Standard Specifications and/or Drawings.

### **5.3.2 On-Site Irrigation Systems**

On-site irrigation facilities shall be constructed per the requirements of the design engineer for the owner and shall meet the requirements, as a minimum, of the San Diego County Department of Public Works Standard Specifications for Construction, latest edition. In addition to this minimum requirement, the construction of the on-site irrigation facilities shall conform to local governing codes, rules, and regulations.

On-site valves, valve boxes, valve markers and power supplies shall be installed in accordance with the requirements in the Rules and Regulations and local building codes.

### **5.3.3 Recycled Water Facilities Construction**

Construction of recycled water facilities, both off-site and on-site, shall employ best management practices for watershed protection.

## **5.4 INSPECTION**

### **5.4.1 General**

Inspection of the work shall not relieve the contractor of any obligations to complete the work as prescribed by the applicable specifications. Defective work shall be made good and unsuitable materials may be rejected notwithstanding the fact that such defective work and unsuitable materials or materials not as specified on the approved plans that have been previously overlooked by the inspector and accepted. The installation and inspection of unsuitable materials or materials not as specified on the approved plans shall not be construed as acceptance, and modification to these specifications shall only be made by the District in writing. Corrective action shall be made at no cost to the District.



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### **5.4.2 Construction Schedule**

The contractor shall submit a schedule to the District outlining contractor's proposed construction operation. Receipt of this submission shall be acknowledged by the District and shall begin the construction inspection process. The contractor shall provide the District with a minimum of seventy-two (72) hours' notice prior to the desired commencement of work. The contractor shall provide notice to the inspector when schedule deviation occurs for proper inspection to take place. Work performed in absence of the inspector shall be subject to rejection or uncovering for proper inspection.

### **5.4.3 Notification and Approvals**

Work shall be subject to inspection and approval, as required by the District in these Rules and Regulations and the District Standard Specifications. The contractor shall schedule the District, DDW, RWQCB, and other regulating agencies for inspection on on-site irrigation, potable, and fire systems. The contractor shall give due notice to the inspector in advance of backfilling so that proper inspection may be provided. Unless the District expressly states otherwise, the contractor in advance of any and all inspection requirements shall give a minimum of two (2) working days (48 hours) notice, whether for materials or construction work.

### **5.4.4 Inspection Intervals**

The contractor shall not proceed with any subsequent phase of work until the previous phase has been inspected and approved by the inspector. Inspection shall be made on a continuous basis and shall specifically include, but not be limited to, the following intervals of work:

- Reception of all materials to work site prior to any installation;
- Trench excavation and bedding prior to placement of the pipe fittings or structures;
- Placing of pipe, fitting and structures;
- Placing of backfill and compaction and/or consolidation of backfill within the pipe zone;
- Placing the remainder of backfill and performing necessary backfill, compaction and testing as required herein;
- Testing and inspection after all compaction and backfill requirements are achieved prior to paving.

Final Inspection: Following the completion of all construction work and the submittal and approval of record drawings, the contractor shall request final inspection of the work. This request shall include the scheduling of the operational testing. **Potholing of piping is strictly prohibited.**



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The contractor shall not proceed with any subsequent phase of work until the previous phase has been inspected and approved by the District Inspector. Record drawings must be updated daily prior to inspection.

## **5.4.5 Final Inspection**

Following the completion of all construction work and the submittal and approval of record documents, calibration reports, certificates, and installation approvals, the Contractor shall request final inspection of the work. This request shall include the scheduling of the cross-connection and operational testing.

Before final acceptance, the District, accompanied by the Contractor's superintendent or foreman, will make a final inspection of all work.

## **5.5 REVIEWS**

### **5.5.1 District Off-Site Facilities**

The contractor shall furnish the District with such information, as is required by the WAS Standard Specifications, and these Rules and Regulations, regarding the character and quality of materials used for all off- and on-site water and recycled water facilities that will be ultimately owned by the District. The contractor shall submit all shop drawings and certifications as specified within WAS Standard Specifications.

### **5.5.2 On-site Irrigation Systems**

For the on-site irrigation systems, the District will focus its review on the identification requirements and any other specific items that are specified by these Rules and Regulations. The character and quality of the materials used for the irrigation system will be the responsibility of the design engineer and/or developer/customer/owner of the property.

## **5.6 GENERAL TESTING**

### **5.6.1 Off-Site Facilities**

Upon the successful completion of the required testing, the District will perform the final inspection in accordance with WAS Standard Specifications. All identification requirements will be reviewed and field inspected. As-built package will be reviewed and finalized. The District will note required corrections in the form of a punch list issued to the contractor. Final acceptance of the off-site facilities will not be authorized until corrections are made to the satisfaction of the District.



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## 5.6.2 On-Site Facilities

Prior to final acceptance by the District, on-site recycled water systems shall pass an operational test administered by a District appointed engineer or the inspector. The operational test shall be at the direction of the District once other construction related requirements are satisfied and other inspection procedures are completed. The test shall be conducted by the contractor in the presence of the District Inspector. The scheduling of these tests shall be the responsibility of the contractor. The contractor shall provide adequate personnel to facilitate the testing.

The following items shall be examined:

- Operation and programming/set-up of the automatic controllers and related appurtenances;
- General operation and coverage of the irrigation system;
- All aspects of the irrigation conditions, including tendencies toward windblown spray, runoff, and ponding;
- Required backflow protection and all backflow test reports of the on-site potable water systems;
- Site and appurtenance identification requirements as determined by the District Inspector;
- Required protection of all public facilities present in the approved use area;
- Cross-connection testing for points of connection; and
- As-built package review and submittal.

The District shall note required corrections in the form of a punch list issued to the contractor. Regular service startup shall not be authorized until all corrections are made to the satisfaction of the District.

**Note:** Cross connection testing shall be done in conjunction with and the approval of the District Cross-Connection Specialist, DDW and DEH.

## 5.6.3 Site Specific Requirements

The Owner of Record shall be required to notify their employees and/or tenants when cross connection control testing may affect the water service to facilities under the Owner's control.

The Owner of Record shall be required to notify their employees, tenants, and the fire department when the fire protection system is involved in the cross connection control testing process.



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## **6 OPERATIONAL REQUIREMENTS**

### **6.1 GENERAL**

The operation of recycled water facilities, both off-site and on-site, shall adhere to best management practices (BMPs) to prevent the direct human consumption of recycled water. These BMPs shall also be utilized to minimize both public contact and the discharge to areas not under user control by minimizing misting, ponding, and runoff.

The operation and surveillance of all District's off-site recycled water systems including, but not limited to, recycled water pipelines, valves, connections, supply entries, and other appurtenances and property up to and including the District's meter, shall be under the management and control of the District. No other person except authorized representatives of the District, DEH and the RWQCB shall have any right to enter upon any portion of the foregoing. No other persons except representatives of the District shall have any right to operate, adjust, change, alter, move, or relocate any portion of the off-site recycled water system.

The operation and surveillance of on-site water and recycled water facilities are the responsibility of the applicant, owner, or customer. However, pursuant to these Rules and Regulations, the District shall monitor and inspect the on-site recycled water system and shall have the right to enter upon the customer's premises during reasonable hours.

### **6.2 SPECIFIC LIMITATIONS**

The following is a summary of specific limitations on properties that are using recycled water.

#### **6.2.1 Runoff Conditions**

Conditions that directly or indirectly cause runoff outside of/ or within the approved use area, whether by design, construction practice, or system operation, shall be minimized. The use of recycled water on water-saturated or frozen ground or during periods of precipitation such that runoff is induced, is prohibited.

#### **6.2.2 Ponding Conditions**

Conditions that directly or indirectly cause a ponding condition outside of or within the approved use area, whether by design, construction practice, or system operation, shall be minimized. Temporary ponding in a vegetated area caused by draining of system or meter testing is allowed in District specified areas with prior District approval.



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## **6.2.3 Direct Overspray Conditions**

Any discharge of water directly onto areas other than that within the approved use area is strictly prohibited.

## **6.2.4 Windblown Overspray Conditions**

Conditions that directly or indirectly permit windblown spray to pass outside of the approved use area, whether by design, construction practice, or system operation, shall be minimized.

## **6.2.5 Unapproved Uses**

Use of recycled water for any purposes other than those explicitly approved in a Use Permit issued by the District and without the prior knowledge and approval of the District is strictly prohibited.

## **6.2.6 Disposal in Unapproved Areas**

Disposal of recycled water for any purposes, including approved uses, in areas other than those explicitly approved in the User Agreement issued by the District and without the prior knowledge and approval of the District is strictly prohibited. Discharge of water from flushing or draining of the recycled system shall be done either at the approved use site and in a manner that does not create ponding or runoff conditions or to a sanitary sewer manhole, with the approval of the agency responsible for operation of the sanitary sewer. In no case shall the discharge of recycled water to a sanitary sewer cause the sewer to overflow or otherwise create a public health hazard or nuisance. Air gap protocol shall be applied.

The direct or indirect discharge from use areas of recycled water to surface waters of any kind is prohibited unless otherwise authorized by an National Pollutant Discharge Elimination System (NPDES) Permit.

## **6.2.7 Prevention of Unauthorized Discharge**

The Site Supervisor shall follow preventative maintenance and monitoring procedures to assure unauthorized discharge will not take place. In the event that a break occurs in the recycled water distribution system, and it is not adequately repaired, the Site Supervisor must immediately turn off the recycled water system once the break is determined. The Site Supervisor then must immediately contact the District to inform them of the occurrence.

## **6.2.8 Cross Connections**

Cross connections, permanent or temporary, resulting from the use of recycled water or from the physical presence of a recycled water service, whether by design, construction practice, or



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system operation, are strictly prohibited. If potable water, or ground water, is to be added to a recycled water system the connection shall occur through an approved air gap separation.

### **6.2.9 Unprotected Drinking Fountains**

Any drinking fountain located within the approved use area designated by the Use Permit shall be protected, by siting and/or a structure, from contact with recycled water. Lack of such protection, whether by design, construction practice, or system operation, is strictly prohibited.

### **6.2.10 Unprotected Public Facilities**

Facilities that may be used by the general public, or on-site personnel, including but not limited to eating areas, eating surfaces/benches, pools, spas, hardscape, and playground equipment/play areas, and located within the approved use area designated by the Use Permit, shall be protected by siting and/or a structure from contact with mist, runoff or recycled water. Lack of such protection is prohibited until review and concurrence by the District, DDW, and DEH on a case-by-case basis. Spray irrigation with recycled water, other than disinfected tertiary recycled water, shall not take place within 100 feet of the property line of a residence or a place where public exposure could be similar to that of a park, playground, or schoolyard.

### **6.2.11 Hose Bibs**

Installation of hose bibs on any on-site system that presently operates or is designed to operate with recycled water, regardless of the hose bib construction or identification, is strictly prohibited except if the hose bibs are in cemeteries or an industrial facility

### **6.2.12 Hours of Operation**

Potential public contact with recycled water shall take precedence over recycled watering schedules. Irrigation system runtimes shall be adjusted to minimize public contact with recycled water. Consideration shall be given to allow a maximum dry-out time before the irrigated area will be used by the public. Hours of operation are from 9:00 PM to 6:00 AM, and shall be shown on the plans.

### **6.2.13 Water/Garden Hoses and Hose Appurtenances**

Water/garden hoses and hose appurtenances utilizing recycled water shall be purple in color with heavy-duty brass fittings. Hoses shall be continuously imprinted with "Caution; Recycled/Reclaimed Water – Do Not Drink" and rated at 150 psi working pressure. Hoses shall only be used for recycled water use. Use of these hoses for potable water use is strictly prohibited.



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### **6.2.14 Domestic Wells**

The application of recycled water within fifty (50) feet of a domestic well, and impoundment of recycled water within one hundred (100) feet of a domestic well, unless approved by DDW, is prohibited.

### **6.2.15 Recycled Water Impoundments**

Recycled water impoundments shall be adequately protected from erosion, washout, and flooding such that no discharge occurs unless the discharge is a result of a 25-year, 24-hour storm event or greater.

Storage facilities or impoundments containing recycled water for reuse applications shall be managed in a manner to control odors, nuisance conditions or vectors such as mosquitoes. Should such problems develop, a management plan shall be devised and implemented to monitor, correct, and control future occurrences.

Impoundment of disinfected tertiary recycled water shall not occur within 100 feet of any domestic water supply well. [Permit Condition 12]

Irrigation with, or impoundment of, disinfected secondary-2.2 or disinfected secondary - 23 recycled water shall not take place within 100 feet of any domestic water supply well. [Permit Condition 13]

Irrigation with, or impoundment of, un-disinfected secondary recycled water shall not take place within 150 feet of any domestic water supply well. [Permit Condition 14]

## **6.3 ON-SITE IRRIGATION SYSTEMS**

### **6.3.1 Supervision**

On-site irrigation systems at each use area under the customer's control shall be under the management of the on-site supervisor designated by the customer or the operator and approved by the District.

On-site supervisors shall be responsible for the installation, operation, and maintenance of the irrigation system; enforcement of the Rules and Regulations; prevention of potential hazards and cross connections; and maintenance of the recycled water system plans in record drawing form, including location of any on-site potable water features and facilities. The on-site supervisor, in the event of a contamination to the public potable water supply, shall be responsible for immediate notification to the District.

The on-site supervisor shall also have the following responsibilities:



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- Must ensure all operations personnel are trained and familiarized with the use of recycled water;
- Must furnish their operations personnel with maintenance instructions, controller charts, and record drawings to ensure compliance with these Rules and Regulations and permit requirements;
- Must be available, or assign a staff member to be available, at all times to assure 24-hr system coverage for prompt response.
- Must notify the District of any and all updates or proposed changes, modifications, or additions to the on-site facilities;
- Must operate and control the irrigation system to be in compliance with the on-site limitations and these Rules and Regulations.
- Will ensure the application rate of the recycled water does not exceed the infiltration rate of the soil.
- Must operate the system to prevent runoff, overspray, and off-site drift.
- Must be present at all cross-connection tests.
- Must be given the authority by the recycled water system owner to implement system requirements set by the District.
- Must conduct semi-annual self-inspection of the use-site and provide a written report to the District within one month following the self-inspection.
- Must establish and maintain an accurate record keeping system of all inspections, modifications, repair work, employee trainings, permit documents, and communications with the District and regulatory agencies.
- Must keep up-to-date irrigation layout.
- Must immediately inform the District by phone of any failures, violations, or emergencies that occur involving the recycled or potable water systems in the approved use area.
- Must be in regular communication with the District and at all times have phone contact information available to the District sufficient to assure the District that trained staff with the authority to carry out the requirements of the recycled water connection are available.
- Must know the basic concepts of backflow and cross-connection prevention, system testing, and related emergency procedures.

The District may, from time to time, require that an “On-site Recycled Water Supervisor” obtain instruction in the use of recycled water, such instruction being provided by or approved by the District.



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The on-site supervisor or a chosen representative shall check all appurtenances on the on-site irrigation system to ensure proper operation, and perform a coverage test of the system on an annual basis. Owner shall keep records of the annual on-site testing (refer to the Appendix 7 form) for District review. Records must be kept for a period of five years as a minimum.

The on-site supervisor or a chosen 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 on-site supervisor shall be able to effectively communicate with District personnel orally and in writing. The on-site supervisor or a chosen representative shall be available via telephone at a number listed with the District for emergency off-hours contact. Where necessary, keys and/or lock combinations shall be issued to the District to provide access upon request.

### **6.3.2 Personnel Training**

The Site Supervisor is responsible for training personnel involved with recycled water so they are familiar with the applicable Rules and Regulations. At a minimum, the training by the Site Supervisor should convey the following information:

- District recycled water, although highly treated, is non-potable and must never be used for human consumption.
- Regulations prohibit ponding, overspray and runoff of water from irrigation sites.
- Working with non-potable recycled water is safe if common sense is used and appropriate regulations are followed.
- Cross-connection between the recycled water system and potable water system is strictly prohibited by State law. Training will include cross-connection recognition and how a backflow condition can occur.
- The Site Supervisor oversees the use of recycled water onsite and is the liaison with the District.

Training should also instruct personnel in proper procedures for reporting unauthorized discharges, managing the irrigation system to prevent runoff, overspray and off-site drift, identifying and correcting cross-connections, and modifying the system in the event of an earthquake or other disaster.

### **6.3.3 Semi-Annual Self Inspection Report and Regular Monitoring**

The District requires that recycled water users conduct an inspection at least twice per year while the recycled water system is in use. One inspection must be conducted during the dry season and one inspection during the rainy season.



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To assure full compliance with the Rules and Regulations governing the use of recycled water, regular monitoring of any recycled water system is necessary. For irrigation systems, weekly or twice-monthly inspection is recommended. Inspection should include site observation for the following types of situations:

1. Is there evidence of recycled water runoff from the site? If so note location and nature of the problem.
2. Is there evidence of recycled water ponding, and/or evidence of mosquitoes breeding within the irrigation area due to ponded water?
3. Are warning signs, tags, stickers, and above ground pipe markings properly posted to inform the public that irrigation water is recycled water, which is not suitable for drinking?
4. Is there evidence of leaks or breaks in the irrigation system piping, or tubing?
5. Is there evidence of broken or otherwise faulty drip irrigation system emitters or spray irrigation sprinklers?

### **6.3.4 Operator Certification Submittal**

Once the customer has selected the operator of an on-site recycled water system, the certification of recycled water service operation must be initiated. District shall evaluate this submittal and advise the operator of the need for any additional information or action. Operators maybe required by the District to attend a training session coordinated by the District. If the customer selects a new operator during the course of service, a new Use Permit form shall be submitted by the new operator to the District.

### **6.3.5 Service Startup**

Following final District inspection and certification of the project, the customer shall request in writing regular service startup. District shall begin regular service within five working days of approval of service startup.

### **6.3.6 Confinement of Irrigation**

The customer shall be responsible for maintaining and controlling the system in order to minimize human contact, prevent consumption of recycled water, and to control and eliminate direct spray, overspray, ponding and runoff. The customer shall be responsible for any subsequent uses of the recycled water.



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## **6.3.7 Dye Testing/Pressure Testing**

In order to determine the existence of any cross connections or backflow conditions into the potable water system, acceptable tracer dyes may periodically be introduced into the recycled water system by the District where feasible, and/or a customer may perform a pressure test where the recycled system is isolated for a period of 24 hours or as directed by the District.

## **6.3.8 Contamination**

In the event of contamination or pollution of a potable water system due to a cross connection or other failure, the District, DEH, and DDW, shall be immediately notified, so that appropriate measures will be taken to correct the problem. On-site supervisor shall submit a written report explaining the contamination within five working days.

## **6.3.9 Maintenance**

A preventive maintenance program designed to ensure the continued operation of all system elements within the requirements of these Rules and Regulations shall be evidenced by the customer and open to inspection by The District. Records must be kept on file for five years as a minimum.

As part of a preventive maintenance program, the Site Supervisor should:

- Perform regular inspections of the entire recycled water system. For irrigation systems this includes sprinkler heads, drip irrigation system emitters, spray nozzles, piping and valves, pumps, storage facilities, controllers, etc. Immediately repair all broken sprinkler heads, faulty spray patterns, leaking pipes or valves, or any other noted condition that violates the recycled water use requirements.
- Check all recycled water identification signs, tags, labels and above grade pipe markings for their proper placement and legibility. Replace damaged, unreadable, or missing signs, tags, labels, and pipe markings. Labels shall be every 10 feet for non-purple piping.
- For irrigation systems, check the system spray patterns while the system is in operation to eliminate ponding, runoff and windblown spray conditions. If evidence of ponding or runoff is noted, affected areas should be indicated on a sketch and sprinkler heads should be adjusted to prevent further ponding or runoff. Evidence of mosquitoes breeding within ponding should be noted and immediately eliminated.
- Establish and maintain an accurate record keeping system of all inspections, modifications and repair work.
- Assure that any device (hose, pipe, meter, quick coupler, etc.) which has been used in contact with recycled water will not be used to convey potable water or be attached to the potable water system.



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### **6.3.10 Emergency Procedures**

In case of earthquake, flood, fire, major freeze, nearby construction, or other incident, which could cause damage to the recycled or potable water systems, the Site Supervisor must inspect the domestic and recycled water systems for damage as soon as it is safe to do so.

### **6.3.11 On-site Notifications**

The following are guidelines for the recommended on-site notifications that recycled water is in use on the site.

Workers shall be notified that recycled water is in use. Notification shall include the posting of conspicuous identification signs with proper wording of sufficient size to be clearly read. It is recommended that these recommended notifications be issued to all workers who come in contact with recycled water or equipment utilizing recycled water.

In those locations where English is not the primary language of the workers, the signs and information shall be in the appropriate language as well as English.

Workers should be informed of the potential health concerns involved with the ingestion of recycled water.

### **6.3.12 On-site Safety Requirements**

Precautionary measures should be taken to minimize worker contact with recycled water. Workers should not be subjected to direct recycled water sprays. Workers should be provided with protective clothing (rain gear/gloves) when there will be more than casual contact with recycled water.

Safe drinking water should be supplied for the workers. Where bottled water is provided, the water should be in contamination-proof containers, and be protected from recycled water and dust.

Potable hand-washing facilities should be provided, where appropriate. It is strongly recommended that before ingesting food or drink, and at the end of the work period, all workers wash with soap and water any parts of their body that may have come in contact with recycled water.

Precautions should be taken to avoid the contamination of food taken into the recycled water use areas. Food should not be taken into areas still wet with recycled water. The consumption of edible plants, fruits and vegetables grown in areas water with recycled water is strictly prohibited.



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An adequate first aid kit should be available on-site. It is recommended that any worker who receives a cut, abrasion, or scratch receive proper medical attention after the accident to prevent possible infection or other complications.

### **6.3.13 Recycled Water Application**

Application of recycled water to the Use Area shall be at a rate that does not exceed the infiltration rate of the soil. In areas where soil types vary, the design and operation of the recycled water facility shall be compatible with the lowest soil infiltration rate. Climate and nutrient demand shall be accounted for in design. Application rates shall ensure that nuisance waters are not created. The on-site operations personnel shall keep a daily log of the volume of seepage and runoff. These records shall be submitted to the District on a monthly basis. In the event of runoff or seepage, the on-site user shall take a sample of the runoff or seepage, and notify the District. The seasonal nutritive loading of the Use Area including the nutritive value of organic and chemical fertilizers and of the recycled water, shall not exceed the nutritive demand of the landscape.

## **6.4 ROUTINE FOLLOW-UP TESTING AND INSPECTION**

Systems constructed to immediately begin using recycled water or systems constructed for recycled water use, but will be using potable water in the interim as recycled water becomes available in the area, are required to successfully pass cross-connection testing in order to continue recycled water service. A final release letter will be issued when this testing and other District requirements are met. No potable water other than for testing and no buildings or facilities using potable water, shall be utilized or occupied until all cross-connection testing and final inspection requirements have been performed and passed.

Any use site receiving recycled water and potable water shall be required to successfully pass routine follow-up inspection cross-connection testing in order to continue to receive potable and recycled water service.

For sites adjacent to recycled water use sites, cross-connection testing and site inspections may be required on a case-by-case basis, to ensure the protection of the public water supply and public health.

### **6.4.1 Schedule**

The District will inspect and test at least every four years; each site utilizing recycled water and potable water for compliance with District, State, and County regulations regarding use of recycled water on-site. Sites with public exposure will be tested more frequently. Also, a site walk-through and record check shall occur annually.



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Any site that exceeds the inspection and testing schedule established by the District by sixty (60) consecutive calendar days will be subject to recycled water service termination if the delay is a result of lack of cooperation or coordination of the owner or their representatives.

Any recycled water site where recycled water service has been discontinued for a period of thirty (30) consecutive calendar days, or has exceeded the previous inspection and testing schedule established by the District will be required to perform an inspection and cross connection testing prior to and in conjunction with regular service start-up. No recycled water shall be utilized on site without the testing being performed.

### **6.4.2 Procedures**

The District reserves the right to add to or alter testing procedures as necessary. Testing will review on-site points of connection to verify proper identification and proper backflow protection with current test report as required by the District, DDW, and DEH.

## **6.5 RECYCLED WATER IRRIGATION SYSTEM MAINTENANCE REPORT**

The on-site supervisor or a chosen representative, using the form provided by the District, shall assess the on-site irrigation system annually to ensure full compliance to current Rules and Regulations regarding the use of recycled water. The on-site supervisor or a chosen representative of the use site shall maintain records for the annual assessment during the routine inspection and testing by the District and keep them on file for District review upon request. If the forms are not available for District review upon request, the District may terminate the recycled water service and reconnection fees will apply to restore recycled water service.



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## **7 VIOLATIONS AND ENFORCEMENT**

### **7.1 GENERAL**

The District reserves the right to determine whether a violation of the Rules and Regulations has resulted from any action and/or occurrence that are the responsibility of the customer. The District may terminate recycled water service if it is determined that the user is in violation of the user agreement in any way. This includes, but not limited to, the illegal use, improper discharge, unauthorized transportation, and/or illegal storage of recycled water. The RWQCB may also determine to begin enforcement actions in the instance that Board discharge requirements are not met.

### **7.2 VIOLATIONS**

Violations shall include those actions and/or instances that cause noncompliance with any one of the specific operational limitations as listed in the Rules and Regulations. These instances of noncompliance include, but are not limited to: runoff conditions, ponding conditions, direct and windblown overspray conditions, unapproved uses, disposal in unapproved areas, cross connections, unprotected drinking fountains, unprotected public facilities, hose bibs, fire hydrants, and hours of operation. By definition, noncompliance with any condition or conditions of the Rules and Regulations or Use Permit, whether intended or unintended, shall constitute a violation. Pursuant to Section 35424 of the California Water Code, any violation of the Rules and Regulations is a misdemeanor.

### **7.3 INVESTIGATION AND INITIAL DETERMINATION**

The District shall investigate all reports of noncompliance to any portion of these Rules and Regulations, or any Agreement to determine the seriousness of the violation. Determination of the seriousness will be based upon:

1. The magnitude and duration of the violation;
2. Its effect on the operation of the District's recycled water system;
3. Its effect on the District's compliance with regulatory agency Rules and Regulations;
4. The history and good faith of the user.

### **7.4 ENFORCEMENT PROCEDURES**

District may utilize any of the following methods to return the recycled water user to compliance with the Rules and Regulations.



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### **7.4.1 Informal Enforcement Procedures**

Users will be notified of a violation. The District will specify the period to correct the violation, along with a date for a follow-up inspection to verify the violation has been fully corrected.

In the event that the recycled water user is not in compliance with the Regulations, a notification will be issued that will specify the violation and indicate a time-frame to remediate the violation. In the event the user does not take appropriate corrective action within the time specified in the initial notification, the District may begin with formal enforcement procedures.

### **7.4.2 Formal Enforcement Procedures**

Formal enforcement procedures, include, but are not limited to the following: monetary penalties, revocation of use permit, temporary suspension of recycled water service, and/or permanent revocation of service.

#### **7.4.2.1 Notice of violation**

In the event that a violation has taken place, and that the District has not determined that it is an emergency, the recycled water user shall receive written notification describing the violation. The notification will describe the following:

1. The nature of the violation;
2. Corrective action plan requirements;
3. Establish the time-frame to meet the corrective action plan;
4. Indicate follow up inspection date.

The recycled water user may file a notice of objection within ten (10) working days or receipt of the Notice of Violation and shall specify the reason for the objection.

#### **7.4.2.2 Penalties**

Any User of recycled water who violates these Rules and Regulations shall, for each day of violation, or portion thereof, be subject to fines as follows:

- For the first violation, a fine not exceeding fifty dollars (\$50)
- For a second violation within twelve months of the first violation, a fine not exceeding one hundred dollars (\$100)
- For a third or any subsequent violation within twelve months of the first violation, a fine not exceeding two hundred fifty dollars (\$250)



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In addition, water service to the property may be discontinued due to a violation(s) of these Rules and Regulations.

### **7.4.2.3    *Suspension of service***

In the event that the recycled water user does not adequately meet the corrective action plan requirements stated in the Notice of Violation within the given time-frame, or the severity of the violation warrants, recycled water service may be suspended. Suspension of service is at the sole discretion of the District. The determination to revoke a user's recycled water permit will be determined by the Board of Directors of the District.

### **7.4.2.4    *Permit revocation***

In addition to any other statute or rule authorizing termination of water service, the district may revoke a permit issued hereunder if a violation of any provision of these Rules and Regulations is found to exist or if a discharge of wastes or use of recycled water causes or threatens to cause a nuisance. Failure to permanently cease all violations within the time given shall result in revocation of the Use Permit by the District and termination of recycled water service.

### **7.4.2.5    *Permanent revocation***

The District may determine to permanently revoke the use permit of any recycled water user if it has been determined that the recycled water user is in violation of the User Agreement.

Alternatively, the District may establish a surcharge for the continuation of recycled water service until such time as the recycled water user has taken action to comply with all of the previously described requirements for obtaining service. The foregoing provisions of the Rules and Regulations are a requirement of any Use Permit, and any application for recycled water service therefore shall be subject to such provisions. The Board, if it deems such to be in the best interest of the District, may on an interim basis or otherwise waive or modify any of the foregoing.

## **7.5        REESTABLISHMENT OF RECYCLED WATER SERVICE**

The reestablishment of recycled water service for users whose service and user agreement have been revoked shall be in accordance with proceedings associated with initial connection from a new potential user, which may include the collection of a security deposit. The District, at its discretion, may deny the reestablishment of recycled water service. Furthermore, the District reserves the right to impose additional special conditions and financial security conditions that shall be indicated in the User Agreement prior to reconnection. The user shall be in full compliance of the User Agreement, these Rules and Regulations, RWQCB requirements, and any Federal, State, or Local, or mandates at all times once recycled water service has been reconnected.



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### **7.6 CUMULATIVE REMEDIES**

The enforcement provisions of these Rules and Regulations are in addition to, and to not supersede or limit, any and all other remedies either of civil or criminal nature. The remedies herein are cumulative and not exclusive.

### **7.7 SEVERABILITY**

If any section, subsection, sentence, clause, or any portion of these Rules and Regulations is determined to be invalid, the remaining portions of these Rules and Regulations shall remain in full effect.



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## **8 REFERENCES**

These Rules and Regulations shall be consistent with the following criteria

- Title 22, Division 4, Chapter 3, “Wastewater Reclamation Criteria”;
- Title 17, Division 1, Chapter 5, Group 4, Article 1 & 2, of the California Code of Regulations;
- The State Water Resources Control Board Division of Drinking Water (DDW) formally the California Department of Public Health (CDPH), “Guidelines for Use of Recycled Water, Guidelines for Use of Recycled Water for Construction Purposes, and the County of San Diego Department of Environmental Health Recycled Water Plan Check and Inspection Manual”;
- Any measures that are deemed necessary for protection of Public health, such as the American Water Works Association (AWWA) California/Nevada Section, “Guidelines for the Distribution of Non-Potable Water and Guidelines for Retrofitting to Recycled Water” or alternative measures that are acceptable to DDW and DEH.
- Title 22, Division 4, Chapter 3, “Water Recycled Criteria” – July 16, 2015
- Title 17, Division 1, Chapter 5, Group 4, Articles 1 and 2 – July 16, 2015



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