

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

TENTATIVE ORDER NO. R9-2012-0055

**WATER RECLAMATION REQUIREMENTS
FOR RINCON DEL DIABLO MUNICIPAL WATER DISTRICT, SAN DIEGO COUNTY**

The Discharger, as described in the following table is subject to these water reclamation requirements as set forth in this Order:

Table 1. Discharger Information

Discharger	Rincon Del Diablo Municipal Water District
Name of Facility	Harmony Grove Village Development & Rincon Del Diablo Municipal Water District service area

The discharge by the Rincon Del Diablo Municipal Water District from the discharge points identified below in Table 2 below is subject to water reclamation requirements as set forth in this Order.

Table 2. Discharge Location

Discharge Point	Effluent Description	Hydrologic Area of Discharge
Recycled Water Service Area	Disinfected Tertiary Recycled Water	Escondido HSA 904.62

Table 3. Effective Date

This Order was adopted by the California Regional Water Quality Control Board, San Diego Region and is effective on:	November 13, 2012
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I, David W. Gibson, Executive Officer, do hereby certify that this Order with all attachments is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Diego Region, on November 13, 2012.

TENTATIVE

David W. Gibson
Executive Officer

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Attachment A Rules and Regulations for Recycled Water Use ProjectsA-1

A. FINDINGS

The California Regional Water Quality Control Board, San Diego Region (hereinafter San Diego Water Board), finds that:

1. Rincon Del Diablo Municipal Water District (hereinafter District) submitted a Report of Waste Discharge to the San Diego Water Board on July 26, 2012 for the purveyance of recycled water within the Harmony Grove Village development and other parts of the District's service area.
2. The source of the recycled water to be distributed by the District will be the Harmony Grove Water Reclamation Plant which is operated by the San Diego Sanitation District. The effluent water quality standards for the discharge of recycled water from the Harmony Grove Water Reclamation Plant are established in Order No. R9-2012-0054, *Waste Discharge Requirements for the San Diego County Sanitation District, Harmony Grove Water Reclamation Plant, San Diego County*. The District may also receive recycled water from the City of Escondido, Hale Avenue Resource Recovery Facility.
3. Pursuant to California Water Code section 13523, the San Diego Water Board may issue Water Reclamation Requirements to the person recycling water, the user or both.
4. The District submitted recycled water rules and regulations as part of a report of waste discharge. Recycled water rules and regulations govern the design and construction of recycled water use facilities and the use of recycled water. The recycled water rules and regulations submitted by the District are consistent with the requirements of this Order and have been approved by the California Department of Public Health (CDPH).
5. This Order allows the use of recycled water for purposes such as landscape irrigation, fire suppression, industrial processes (including cooling towers), street sweeping, agricultural irrigation, landscape and/or recreational impoundments, construction use (including soil compaction, dust control, concrete mixing, etc.), and commercial uses (including toilet and urinal flushing); provided prior approval has been obtained from the CDPH, and the County of San Diego Department of Environmental Health (County DEH).
6. An Environmental Impact Report for the project was certified by the County Board of Supervisors on February 7, 2007 pursuant to requirements of the California Environmental Quality Act (CEQA) (Public Resources Code section 21000, et seq.). The EIR concludes that the proposed project will have significant unmitigatable impacts related to transportation, air quality, noise, and aesthetics. The EIR, however, also concludes that the proposed project will have no significant or less than significant impacts related to

water quality, biological resources, land use, and cultural/historical resources with mitigation measures incorporated in the project.

7. In establishing the requirements contained herein the San Diego Water Board considered factors including, but not limited to, the following:
 - a. Beneficial uses to be protected and the water quality objectives reasonably required for that purpose.
 - b. Other waste discharges.
 - c. The need to prevent nuisance.
 - d. Past, present, and probable future beneficial uses of the hydrologic subunits under consideration.
8. The State Water Resources Control Board Recycled Water Policy states that the appropriate way to address salt and nutrient issues is through the development of regional or sub-regional salt and nutrient management plans. The development of the salt and nutrient management plans is expected to be a cooperative effort among local water and wastewater entities and local salt/nutrient contributing stakeholders. Consequently, this Order requires the District to develop a salt and nutrient management plan for the Escondido groundwater basin.
9. The San Diego Water Board adopted Resolution No. R9-2009-0125 on November 10, 2010, which endorsed the Guidelines for Salinity/Nutrient Management Planning in the San Diego Region (salt and nutrient management plan guidelines). This Order requires the District to propose tasks and measures that are consistent with the salt and nutrient management plan guidelines.¹ The salt and nutrient management plan for the Escondido groundwater basin must be completed by May 14, 2014.
10. Pursuant to Water Code section 13523.5, a Regional Water Board may not deny the issuance of water reclamation requirements to a project which violates only a salinity standard in a Water Quality Control Plan.
11. The San Diego Water Board has considered all water resource related environmental factors associated with the proposed purveyance and use of recycled water by the District.
12. The San Diego Water Board has notified the District, the California Department of Public Health, and all known interested persons of the intent

¹ The salt and nutrient management plan guidelines can be found at [http://www.waterboards.ca.gov/sandiego/board decisions/adopted orders/2010/R9-2010-0125 SNMP.pdf](http://www.waterboards.ca.gov/sandiego/board%20decisions/adopted%20orders/2010/R9-2010-0125%20SNMP.pdf)

to prescribe water reuse requirements for the proposed purveyance of reclaimed water.

13. The San Diego Water Board in a public meeting heard and considered all comments pertaining to the proposed purveyance and use of recycled water by the District.

THEREFORE, IT IS HEREBY ORDERED, that the Rincon Del Diablo Municipal Water District, in order to meet the provisions for Water Reclamation Requirements contained in Division 7 of the Water Code and regulations adopted thereunder, shall comply with the following requirements for the purveyance and use of recycled water:

B. RECYCLED WATER PURVEYANCE REQUIREMENTS

1. Prior to the initiation of the purveyance of recycled water, the District must complete all of the following:
 - a. Develop and submit for approval to the CDPH and County DEH Rules and Regulations for Recycled Water Users governing the design and construction of recycled water use facilities and the use of recycled water. Rules and regulations shall, at a minimum, include the requirements which are contained in Attachment No. 1 to this Order.
 - b. Develop and submit for approval to the CDPH and County DEH a program to conduct compliance inspections of recycled water reuse sites. Inspections shall determine the status of compliance with the District's approved rules and regulations for recycled water users.
 - c. Submit a report to the San Diego Water Board, CDPH, and County DEH containing the information listed below. The District may submit a report that covers more than one reuse site. The report shall include a detailed description of each reuse site identifying all of the information below:
 - i. A copy of the long-term agreement between the producer of recycled water and the District.
 - ii. The number, location, and type of facilities within the use area proposing to use domestic and recycled water. "Facility" means any type of building or structure, or defined area of specific public use that utilizes or proposes to utilize a dual plumbed system.

- iii. The average number of persons estimated to be served at each use area on a daily basis.
 - iv. The specific boundaries of the proposed use site area including a map showing the location of each facility, drinking water fountain and impoundment to be served.
 - v. The person or persons responsible for operation of the recycled water system at each use area.
 - vi. The specific use to be made of the recycled water at each use area.
 - vii. The methods to be used by the District to assure that the installation and operation of the recycled system will not result in cross connections between the recycled water piping system and the potable water piping system. This shall include a description of pressure, dye, or other test methods to be used to test the system.
 - viii. Plans and specifications shall include the following and shall be submitted to the CDPH and County DEH:
 - 1) Proposed piping system to be used.
 - 2) Pipe locations of both the recycled and potable systems.
 - 3) Type and location of the outlets and plumbing fixtures that will be accessible to the public.
 - 4) The methods and devices to be used to prevent backflow of recycled water into the public water system.
 - 5) Plan notes relating to recycled water specific installation and use requirements.
2. Subsequent to initiation of the purveyance of recycled water and prior to providing recycled water to a new use site, the District shall do the following:
- a. Submit for review and approval a report certifying that the project conforms to all criteria described in Recycled Water Purveyance Requirements B.1.c. The certification report shall document that all criteria described in Recycled Water Purveyance

Requirements B.1.c has been submitted to and approved by the appropriate regulatory agency. Information submitted as a supplement to this report shall document compliance with any criteria, as described by Recycled Water Purveyance Requirements B.1.c, not met through submittal of the initial report.

- b. Prior to the initial operation of the dual-plumbed recycled water system and annually thereafter, the District shall ensure that the dual plumbed system within each facility and use area is inspected for possible cross connections with the potable water system. The recycled water system shall also be tested for possible cross connections at least once every four years. The testing shall be conducted in accordance with the method described in the report submitted pursuant to California Code of Regulations (CCR) Title 22, section 60314. The inspections and the testing shall be performed by a cross connection control specialist certified by the California-Nevada section of the American Water Works Association or an organization with equivalent certification requirements. The County DEH shall be notified 30 days prior to any cross connection test. A written report documenting the result of the inspection or testing for the prior year shall be submitted to the County DEH within 30 days following completion of the inspection or testing.
3. The District shall do the following for all reuse sites:
 - a. Enforce recycled water rules and regulations.
 - b. Conduct recycled water reuse site compliance inspections in accordance with the program submitted in compliance with Recycled Water Purveyance Requirements B.1.b of this Order.
 - c. Notify the CDPH and the County DEH of any incidence of recycled water backflow into the potable water system as soon as possible, but in no case later than 24 hours after finding the incident.
 - d. Maintain a current list of all on-site recycled water supervisors.

C. STANDARD PROVISIONS

1. PROPER OPERATION

The District shall, at all times, properly operate and maintain all facilities and systems of control (and related appurtenances) which are installed or used by the District to achieve compliance with conditions of this Order. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and

training, and adequate laboratory and process controls including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Order.

2. MONITORING AND REPORTING

The District shall comply with Monitoring and Reporting Program No. R9-2012-0055 and future revisions thereto as specified by the San Diego Water Board. Monitoring results shall be reported at the frequency specified in Monitoring and Reporting Program No. R9-2012-0055.

3. ENFORCEMENT

The San Diego Water Board may initiate enforcement action against the District, which may result in the termination of the recycled water supply, if any person uses, transports, or stores such water in a manner which creates, or threatens to create conditions of pollution, contamination, or nuisance, as defined in Water Code section 13050.

4. DUTY TO COMPLY

The District must comply with all conditions of this Order. Any noncompliance with this Order constitutes a violation of the Water Code and is grounds for (a) enforcement action; (b) termination, revocation and reissuance, or modification of this Order; or (c) denial of a report of waste discharge in application for new or revised waste discharge requirements.

5. ENTRY AND INSPECTION

The District shall allow the San Diego Water Board, or an authorized representative, upon the presentation of credentials and other documents as may be required by law to do the following:

- a. Enter upon the District's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this Order.
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this Order.

- c. Sample or monitor, at reasonable times for the purposes of assuring compliance with this Order or as otherwise authorized by the Water Code, any substances or parameters at any location.

6. CIVIL MONETARY REMEDIES

The Water Code provides that any person who intentionally or negligently violates any waste discharge requirements issued, reissued, or amended by this San Diego Water Board is subject to a civil liability of up to 20 dollars per gallon of waste discharged or, if a cleanup and abatement order is issued, up to 15,000 dollars per day of violation or some combination thereof.

7. PENALTIES FOR INVESTIGATION, MONITORING, OR INSPECTION VIOLATIONS

The Water Code provides that any person failing or refusing to furnish technical or monitoring program reports, as required under this Order, or falsifying any information provided in the monitoring reports is guilty of a misdemeanor and is subject to a civil liability of up to 5,000 dollars for each day in which the violation occurs.

8. ENDANGERMENT OF HEALTH AND ENVIRONMENT

The District shall report any noncompliance which may endanger health or the environment. Any such information shall be provided orally to the San Diego Water Board within 24 hours from the time the District becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the District becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The San Diego Water Board, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. The following occurrence(s) must be reported to the San Diego Water Board within 24 hours:

- a. Any unauthorized discharge² of 50,000 gallons or more of recycled water that has been treated to at least disinfected tertiary

² An unauthorized discharge is defined in Water Code section 135292.2 as any discharge not authorized by waste discharge requirements pursuant to Article 4 of the Water Code (Commencing with section 13260), water reclamation requirements pursuant to Water Code section 13523, or a master reclamation permit pursuant to Water Code section 13523.1

recycled water or 1,000 gallons or more of recycled water that is treated at a level less than disinfected tertiary recycled water³ in or on any waters of the State or probably will be discharged in or on any waters of the State.

- b. Any known direct cross-connection between recycled and potable water systems.

These incidents shall also be reported orally to the CDPH and the County DEH within 24 hours of occurrence.

9. CORRECTIVE ACTION

The District shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Order, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the noncompliance.

10. PERMIT REPOSITORY

A copy of this Order shall be maintained at the District's facility and shall be available to operating personnel at all times.

11. RETENTION OF RECORDS

The District shall retain records of all monitoring information, including all calibration and maintenance records, copies of all reports required by this Order, and records of all data used to complete the application for this Order. Records shall be maintained for a minimum of five years from the date of the sample, measurement, report, or application. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the San Diego Water Board.

12. GENERAL REPORTING REQUIREMENT

The District shall furnish to the San Diego Water Board, within a reasonable time, any information which the San Diego Water Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The District shall also furnish to the San Diego Water Board, upon request, copies of records required to be kept by this Order.

³ Disinfected tertiary recycled water is defined in California Code of Regulations, Title 22, Chapter 3, section 60301.230

13. PERMIT REVISION

This Order may be modified, revoked and reissued, or terminated for cause including, but not limited to, the following:

- a. Violation of any terms or conditions of this Order.
- b. Obtaining this Order by misrepresentation or failure to disclose fully all relevant facts.
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

The filing of a request by the District for the modification, revocation and reissuance, or termination of this Order, or notification of planned changes or anticipated noncompliance does not stay any condition of this Order.

14. CHANGE IN OWNERSHIP

This Order is not transferrable to any person except after notice to the San Diego Water Board. The District shall submit this notice in writing at least 30 days in advance of any proposed transfer. The notice must include a written agreement between the existing and new District containing a specific date for the transfer of this Order's responsibility and coverage between the current District and the new District. This agreement shall include an acknowledgement that the existing District is liable for violations up to the transfer date and that the new District is liable from the transfer date on. The San Diego Water Board may require modification or revocation and reissuance of this Order to change the name of the District and incorporate such other requirements as may be necessary under the Water Code.

15. INCOMPLETE REPORTS

Where the District becomes aware that it failed to submit any relevant facts in a Report of Waste Discharge or submitted incorrect information in a Report of Waste Discharge or in any report to the San Diego Water Board, it shall promptly submit such facts or information.

17. SAN DIEGO WATER BOARD ADDRESS

The District shall submit reports required under this Order or other information required by the San Diego Water Board to the following address:

California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, California 92123-4340
Attn: Supervisor, Land Discharge Unit

In the event the San Diego Water Board changes offices, the new office address can be found on the following web page:

http://www.waterboards.ca.gov/sandiego/about_us/contact_us/

C. SPECIAL PROVISION

1. SALT AND NUTRIENT MANAGEMENT PLAN

The District must submit a workplan within 180 days of adoption of this Order which will identify proposed tasks and measures it will implement as the lead agency in developing the salt and nutrient management plan for the Escondido groundwater basin. Proposed tasks and measures to be implemented by the District must be based on the salt and nutrient management plan guidelines. Recommended tasks for development of salt and nutrient management plans can be found in Chapter 5 and Appendix B of the salt and nutrient management plan guidelines. The salt and nutrient management plan for the Escondido groundwater basin must be completed by May 14, 2014. Once completed, the District must implement the plan.

2. OPERATIONS MANAGEMENT PLAN

The District must submit an operations management plan no later than November 14, 2013 which must identify measures it (or its users) will implement to ensure that nutrient loading to use areas from application of recycled water and fertilizers will not exceed nutrient demands of landscape vegetation (recycled water must be applied at agronomic rates).⁴ Measures that the District or its users may implement include communicating to users the nutrient levels in recycled water, appropriate use of fertilizers, development of water budgets for use areas, site supervisor training, periodic inspections, tiered rate structures, use of smart controllers, or other appropriate measures. The operations management plan shall be sufficient to accommodate necessary adjustments in nutrient levels as may be required by the specific vegetation (e.g., turfgrass, natural vegetation

⁴ Agronomic rate refers to the rate of application of recycled water to plants that is necessary to satisfy the plants' watering and nutritional requirements, considering supplemental water (e.g., precipitation) and supplemental nutrients (e.g., fertilizers), while preventing or strictly minimizing the amount of nutrients that pass beyond the plants' root zone.

landscapes, etc.) at the end use sites. Upon approval of the Plan by the San Diego Water Board, the District shall implement the Plan.

D. NOTIFICATIONS

1. VESTED RIGHTS

This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, nor protect the District from liability under federal, State, or local laws, nor create a vested right for the District to continue the waste discharge.

2. U.S. ENVIRONMENTAL PROTECTION AGENCY REVIEW

These requirements have not been officially reviewed by the U.S. Environmental Protection Agency and are not issued pursuant to section 402 of the Clean Water Act.

3. SEVERABILITY

The provisions of this Order are severable, and if any provision of this Order, or the application of any provision of this Order to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Order, shall not be affected thereby.

4. EFFECTIVE DATE

This Order becomes effective on the date of adoption by the San Diego Water Board.

5. EXPIRATION

This Order does not expire until rescinded by the San Diego Water Board.

ATTACHMENT A - RULES AND REGULATIONS FOR RECYCLED WATER USE

Pursuant to CWC Section 13523.1(b)(3), this Order requires the District to establish and to enforce rules and regulations governing the design, construction and use of recycled water distribution and disposal systems by its customers. The rules and regulations shall be consistent with the following criteria:

- a. Title 22, Division 4, Chapter 3, Wastewater Reclamation Criteria;
- b. Title 17, Division 1, Chapter 5, Group 4, Article 1 & 2, of the California Code of Regulations (CCR);
- c. The California Department of Public Health (CDPH) Guidelines For Use of Recycled Water, Guidelines for Use of Recycled Water for Construction;
- d. 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 alternate measures that are acceptable to the CDPH.

A. Standard Rules and Regulations

At a minimum, the rules and regulations shall notify the users that:

1. The use of recycled water shall not cause a pollution, contamination or nuisance, as defined by CWC Section 13050.
2. The District, the San Diego Water Board, the CDPH, and the County DEH, or an authorized representative of these parties, upon presentation of proper credentials, shall have the right to enter upon the recycled water use site during reasonable hours, to verify that the user is complying with the District's rules and regulations.
3. The recycled water user shall provide written notification, in a timely manner, to the District of any material change or proposed change in the character of the use of recycled water.
4. Prior to the initiation of recycled water service, the recycled water user shall submit plans and specifications for recycled water distribution facilities to the District.
5. The recycled water user shall designate a recycled water supervisor who is responsible for the recycled water system at each use area under the user's control. Specific responsibilities of the recycled water supervisor include the proper installation, operation, and maintenance of the irrigation system; compliance of the project with the District's rules and regulations, prevention of potential hazards and preservation of the recycled water distribution system plans in "as built" form. Designated recycled water supervisors shall obtain instruction in the use of recycled water from an institution approved by the CDPH and County DEH, as required.
6. The District may terminate service to a recycled water user who uses, transports, or stores such water in violation of the District's rules and regulations.

7. All recycled water storage facilities owned and/or operated by recycled water users shall be protected against erosion, overland runoff, and other impacts resulting from a 100-year, 24 hour frequency storm unless the San Diego Water Board approves relaxed storm protection measures for the facility.
8. All recycled water storage facilities owned and/or operated by recycled water users shall be protected against 100-year frequency peak stream flows as defined by the Riverside County flood control agency unless the San Diego Water Board approves relaxed storm protection measures for the facility.
9. The San Diego Water Board may initiate enforcement action against any recycled water user who discharges recycled water in violation of any applicable discharge requirement prescribed by the San Diego Water Board or in a manner which creates or threatens to create conditions of pollution, contamination or nuisance, as defined in CWC section 13050.
10. A copy of the recycled water rules and regulations, irrigation system layout map, and a recycled water system operations manual shall be maintained at the use area. These documents shall be available to operating personnel at all times.
11. Irrigation with disinfected tertiary recycled water shall not take place within 50 feet of any domestic water supply well unless all of the following conditions have been met:
 - a. A geological investigation demonstrates that an aquitard exists at the well between the uppermost aquifer being drawn from and the ground surface.
 - b. The well contains an annular seal that extends from the surface into the aquitard.
 - c. The well is housed to prevent any recycled water spray from coming into contact with the wellhead facilities.
 - d. The ground surface immediately around the wellhead is contoured to allow surface water to drain away from the well.
 - e. The owner of the well approves of the elimination of the buffer zone requirement.
12. Impoundment of disinfected tertiary recycled water shall not occur within 100 feet of any domestic water supply well.
13. Irrigation with, or impoundment of, disinfected secondary-2.2⁵ or disinfected secondary - 23⁶ recycled water shall not take place within 100 feet of any domestic water supply well.

⁵ Disinfected secondary-2.2 recycled water is defined in California Code of Regulations, Title 22, Chapter 3, section 60301.220

⁶ Disinfected secondary-23 recycled water is defined in California Code of Regulations, Title 22, Chapter 3, section 60301.225

14. Irrigation with, or impoundment of, undisinfectated secondary recycled water shall not take place within 150 feet of any domestic water supply well.
15. Reclaimed water facilities shall be operated in accordance with best management practices (BMPs) to prevent direct human consumption of reclaimed water and to minimize misting, ponding, and runoff. BMPs shall be implemented that will minimize both public contact and discharge onto areas not under customer control.
16. Irrigation with reclaimed water shall be during periods of minimal human use of the service area. Consideration shall be given to allow a maximum dry-out time before the irrigated area will be used by the public.
17. All drinking fountains located within the approved use area shall be protected by location and/or structure from contact with recycled water spray, mist, or runoff. Protection shall be by design, construction practice, or system operation.
18. Facilities that may be used by the public, including but not limited to eating surfaces and playground equipment and located within the approved use areas, shall be protected to the maximum extent possible by siting and/or structure from contact by irrigation with recycled water spray, mist, or runoff. Protection shall be by design, construction practice or system operation.
19. 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 school yard.
20. All use areas where recycled water is used and that are accessible to the public shall be posted with conspicuous signs, in a size no less than 4 inches by 8 inches, that include the following wording in a size no less than 4 inches high by 8 inches wide: "RECYCLED WATER - DO NOT DRINK". The sign(s) shall be of a size easily readable by the public.
21. No physical connection shall be made or allowed to exist between any recycled water system and any separate system conveying potable water.
22. The recycled water piping system shall not include any hose bibs. Quick couplers that are different from that used on the potable water system may be used.
23. The public water supply shall not be used as a backup or supplemental source of water for a recycled water system unless the connection between the two systems is protected by an air gap separation which complies with the requirements of sections 7602(a) and 7603(a) of California Code of Regulations (CCR), Title 17 and the approval of the public water system has been obtained. If a "Swivel-ell" type connection is used it must be used in accordance with the provisions of the CDPH Policy Memo 95-004. Approved backflow prevention devices shall be provided, installed, tested, and maintained by the recycled water user in accordance with the applicable provisions of CCR Title 17, Division 1, Chapter 5, Group 4, Article 2.

24. No person other than the District shall deliver recycled water to a facility. Connection to the irrigation system by an individual residence is prohibited.
25. All recycled water piping and appurtenances in new installations and appurtenances in retrofit installations shall be colored purple or distinctively wrapped with purple tape in accordance with Chapter 7.9, section 4049.54 of the California Health and Safety Code.
26. Reuse site shut down tests and inspections shall be monitored by the CDPH.
27. Customer complaints concerning recycled water use that may involve public illness shall be reported to the County DEH, the CDPH, and to the District who shall maintain a log of all customer complaints regarding recycled water.
28. Any backflow prevention device installed to protect the public water system shall be inspected and maintained in accordance with section 7605 of CCR Title 17.
29. The nutrient loading from application of recycled water and fertilizers shall not exceed the nutrient demand of landscape vegetation.

B. Rules and Regulations for Transfer and Distribution of Recycled Water From Vehicle Fill Stations or Use of Recycled Water for Construction or Street Sweeping Purposes

The District must comply with the following requirements, unless the California Department of Public Health and/or the County of San Diego Department of Environmental Health determine that alternative criteria provide equivalent or better protection of public health and the environment:

1. Each vehicle shall have two risers, one for potable and one for recycled water. An air gap separation between the riser outlet and water tank shall be provided.
2. The risers, hoses and fittings for each supply shall be color coded (painted), blue for potable and purple for recycled water.
3. The hoses, hydrants and risers for each supply shall have separate and unique fittings (e.g., 2-1/2 inch diameter on the potable system and 2 inch diameter on the recycled water system) such that the potable system cannot accidentally be used on the recycled system and vice versa.
4. All vehicles used in transporting recycled water must be clearly marked with typical signage that reads: "CAUTION: RECYCLED WATER - DO NOT DRINK" in English and Spanish.

5. The District shall conduct annual inspections of the trucks to assure that all requirements in this Order are being met and that recycled water is being used in compliance with the requirements of this Order.
6. Each vehicle shall be completely cleaned and disinfected prior to delivery of potable water for human consumption.
7. Each customer must assign a Recycled Water Site Supervisor that will receive training prior to receiving a permit.
8. The Recycled Water Site Supervisor will be responsible for ensuring that all employees working with recycled water are trained on its proper use and that adequate signage is maintained to make employees aware that recycled water is being used.
9. Records of training should be maintained by the recycled water purveyor.
10. Vehicles used for transportation or distribution of recycled water, or for street sweeping must be equipped with an air gap to ensure backflow protection.
11. Vehicles used for transportation and distribution of recycled water must have water-tight valves and fittings, and must not leak.
12. The Recycled Water Use Permit must be available for inspection at all times.
13. Truck drivers should be equipped with an adequate first aid kit. Cuts or abrasions should be promptly washed, disinfected, and bandaged.
14. Recycled water must not be introduced into any potable water piping system and no connection shall be made between the tank and any part of a potable water system.
15. Recycled water shall not be applied where it could spray on external drinking water fountains, passing vehicles, buildings, or areas where food is handled or eaten.
16. Recycled water users should wash their hands with soap and potable water or apply hand sanitizer after working with recycled water, especially before eating or smoking.
17. Precautions should be taken to avoid food coming in contact with recycled water while the use site is wet.
18. Obtain recycled water from an approved recycled water filling station or from a potable source. When the vehicle is filled from a potable water source, a water agency or municipality provided meter or other acceptable tracking system must be used. There must also be a reduced pressure principle backflow device protecting

the potable system or the vehicle must be equipped with two risers, one for potable water and one for recycled water.

19. Vehicles used to transport recycled water shall not be used to carry water for potable purposes, regardless of the source water. The use of recycled water for street sweeping or construction shall comply with the appropriate municipality's storm water ordinance. Typical compliance measures include preventing overspray, ponding, or runoff of recycled water from the use area.

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

TENTATIVE MONITORING AND REPORTING PROGRAM NO. R9-2012-0055

**WATER RECLAMATION REQUIREMENTS
FOR RINCON DEL DIABLO MUNICIPAL WATER DISTRICT SAN DIEGO COUNTY**

This monitoring and reporting program order (MRP) is issued to Rincon Del Diablo Municipal Water District (District) pursuant to Water Code Section 13267, which authorizes the California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) to require technical and monitoring program reports.

A. MONITORING PROVISIONS

1. The District shall report all instances of noncompliance not reported under Standard Provision C.8 of Order No. R9-2012-0055 at the time monitoring reports are submitted to the San Diego Water Board. The reports shall contain the information described in Standard Provision C.8.
2. All applications, reports, or information submitted to the San Diego Water Board shall be signed and certified as follows:
 - a. The Report of Waste Discharge shall be signed as follows:
 - i. For a corporation - by a principal executive officer of at least the level of vice-president.
 - ii. For a partnership or sole proprietorship - by a general partner or the proprietor, respectively.
 - iii. For a municipality, state, federal or other public agency - by either a principal executive officer or ranking elected official.
 - b. All other reports required by this MRP and other information required by the San Diego Water Board shall be signed by a person designated in paragraph (a) of this provision, or by a duly authorized representative of that person. An individual is a duly authorized representative only if all of the following are true:
 - i. The authorization is made in writing by a person described in paragraph (a) of this provision,
 - ii. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity and,

- iii. The written authorization is submitted to the San Diego Water Board.
- c. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

B. RECYCLED WATER USERS SUMMARY REPORT

Quarterly Report

- 1. The District shall submit a quarterly recycled water users' summary report containing the following information:
 - a. Total volume of recycled water supplied to all recycled water users for each month of the reporting period.
 - b. Total number of recycled water use sites.
 - c. Address of the recycled water use site.
 - d. Basin Plan name and number of hydrologic subarea underlying the recycled water use sites.

Annual Report

- 2. The District shall submit an annual recycled water users' compliance report containing the following information:
 - a. Recycled water use site summary report
 - i. Name of each reclaimed water reuse site.
 - ii. Owner of each reclaimed water use facility.
 - iii. Address of each reuse site.
 - iv. Name of the reclaimed water user supervisor.
 - v. Phone number of the on-site user supervisor.
 - vi. Mailing address of the recycled water use supervisor, if different from site address.
 - vii. Volume of reclaimed water delivered to each reuse site for each of the 12 months in a calendar year.
 - viii. Total area (in acres) of each landscape irrigation site.

- ix. The amount of nitrogen¹ (in pounds per acre per year) applied in recycled water on each landscape irrigation site.
- x. The amount of nitrogen (in pounds per acre) applied as fertilizer on each landscape irrigation site.

b. Recycled water user site inspections

The District shall report the number of reclaimed water reuse site inspections conducted by the District's staff and identify the sites inspected for the reporting period.

c. Recycled water user violations of the District's rules and regulations.

The District shall identify all recycled water users known to be in violation of the District's rules and regulations for recycled water users. The report shall include a description of the noncompliance and its cause, including the period of noncompliance, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

C. REPORT SCHEDULE

Monitoring reports must be received by the San Diego Water Board in accordance with the following schedule:

Sampling Frequency	Monitoring Period	Report Due Date
Quarterly	January 1 through March 31	5:00 PM by May 1
	April 1 through June 30	5:00 PM by August 1
	July 1 through September 30	5:00 PM by November 1
	October 1 through December 31	5:00 PM by February 1
Annually	January 1 through December 31	5:00 PM by March 1

The Discharger shall submit all monitoring reports to:

California Regional Water Quality Control Board
 San Diego Region
 9174 Sky Park Court, Suite 100
 San Diego, California 92123-4340
 Attn: Supervisor, Land Disposal Unit

¹ Concentration of nitrogen in recycled water can be obtained from the recycled water producer.

In the event the San Diego Water Board changes offices, the new office address can be found on the following web page:

http://www.waterboards.ca.gov/sandiego/about_us/contact_us/

Monitoring reports shall be submitted in electronic format on a Compact Disc (CD) or other appropriate media to the San Diego Water Board. A signed paper transmittal letter shall be submitted along with the CD (or other appropriate media). All correspondence and documents submitted to the San Diego Water Board shall include the reference code "<staff name>" in the header or subject line, where "<staff name>" is the first initial and last name of the San Diego Water Board case manager.

Ordered by: **TENTATIVE** _____
David W. Gibson
Executive Officer

DATE: November 13, 2012