

Article 175     Reclaimed Water Service – Rules and Regulations

Sec. 175.1     General Requirements and Conditions

- (a) Introduction. The Valley Center Municipal Water District (hereinafter called “District”) is primarily dependent on imported water for domestic, agricultural and industrial uses. It is in the best interest of the District to promote and implement innovative water management strategies to conserve water and energy resources while still satisfying water needs of the District’s customers.

California Water Code Section 13551 establishes a state policy to encourage the use of reclaimed water. Permission to use reclaimed water is based on the ability to adequately treat municipal wastewater to the point that the reclaimed water (effluent) meets or exceeds the requirements of existing Title 22, Chapter 3, of the California Code of Regulations. Title 22 was promulgated by the California Department of Health Services to ensure adequate health protection and specify the treatment degree to match the intended applications.

The use of water reclaimed from municipal wastewater is also regulated by the California Regional Water Quality Control Board (RWQCB). In accordance with waste discharge requirements for water reclamation projects, the RWQCB requires that Rules and Regulations for facilities using reclaimed water be established.

1. Purpose: The purpose of these Rules and Regulations is to establish procedures, specifications and limitations for the safe and orderly development and operation of reclaimed water facilities and systems in the District’s service area.
2. Goals:
  - A. Achieve conservation of potable water supplies by using reclaimed water for current and future demands. Reclaimed water uses shall be for the maximum public benefit and may include:
    - agricultural irrigation
    - commercial uses (including flushing toilets and urinals)
    - construction use
    - groundwater recharge
    - industrial processes
    - landscape irrigation
    - landscape and/or recreational impoundments
    - wildlife habitat enhancement

Sec. 175.1      General Requirements and Conditions (Cont'd.)

(a)      Introduction (Cont'd.)

2.      Goals (Cont'd.)

- B.      Monitor and maintain reclaimed water quality through a stringent pretreatment program for commercial and industrial wastes and by restricting brine discharges from water softeners, evaporative coolers and other sources.
  
  - C.      Prevent direct human consumption of reclaimed water through:
    - 1.      Adherence to all applicable rules and regulations
    - 2.      Posting of information signs by the user
    - 3.      Implementation of a cross-connection/backflow prevention program
    - 4.      Education of the public
  
  - D.      Maximize the safe and efficient use of reclaimed water through monitoring of the installation and operations of all reclaimed water facilities and use areas.
3.      Policy. It is the policy of the District that reclaimed water shall be used within its jurisdiction for any appropriate use when it is economically, financially and technically feasible, and consistent with legal requirements, preservation of public health, safety and welfare and the environment. Appropriate uses shall be determined by the District and are shown in Section 175.1(a)(2). See also table 1, of the Reclaimed Water User's Manual as prepared by the San Diego County Water Authority, Water Resources Department for more detail. Use of potable water for non-domestic uses shall be contrary to District policy, shall not be considered the most beneficial use of a natural resource and shall be avoided to the maximum extent possible.
4.      Priority. Reclaimed water shall be provided on a first come, first served basis, as long as reclaimed water is available. However, agriculture will be given priority over other reclaimed water uses.

- (b)      Severability. If any section, subsection, sentence, clause or phrase of these Rules and Regulations is for any reason found to be invalid or unconstitutional, such decision shall not affect the remaining portions of these Rules and Regulations. The District's Board of Directors declares that it would have approved these Rules and Regulations by section, subsection, sentence, clause or phrase irrespective of the fact that any one or more of the sections, subsections, sentences, clauses or phrases be declared invalid or unconstitutional.

Sec. 175.1      General Requirements and Conditions (Cont'd.)

- (c) Service Area.      These Rules and Regulations pertain to reclaimed water service to lands and/or improvements lying within the legal boundaries of the District unless otherwise stated. The District shall provide reclaimed water service in accordance with these Rules and Regulations to all areas identified in the Reclaimed Water Master Plan including all subsequent revisions for the use of reclaimed water. Reclaimed water service shall be provided to the service area when related distribution facilities are completed and service becomes available.
  
- (d) Determination of Reclaimed Water Use Area.
  - 1. General:
    - A. The District shall prepare a Reclaimed Water Master Plan designating current and potential areas for reclaimed water use. The Master Plan shall be in accordance with all regulatory agencies and encourages reclaimed water use. The Master Plan may be reviewed and updated as needed.
    - B. The District may review its Reclaimed Water Master Plan and recommend where water service should be made with reclaimed water in place of potable water. Where it is determined reclaimed water is, or will be available within five years, the District may request modifications to existing on-site water facilities and require construction of reclaimed water systems in new developments.
    - C. The District may enter into agreements with other agencies to determine reclaimed water use areas within the service area/jurisdiction of these entities.
  - 2. Existing potable water service:
    - A. Upon adoption of these Rules and Regulations, and each Reclaimed Water Master Plan Update, the District may determine areas where existing water use should be served with reclaimed water.
    - B. A notice of the determination to use reclaimed water shall be sent to the current owner, explaining the District's reasons for use and the procedures needed to facilitate reclaimed water use.
  - 3. New reclaimed water service. Upon submittal by applicant of a tentative map, land use permit or request for reclaimed water service, the District shall review the Reclaimed Water Master Plan and make preliminary determinations if reclaimed water service should be provided to the area of question.

Sec. 175.1      General Requirements and Conditions (Cont'd.)

- (e) Authorized Uses: In accordance with the goals of the District, as stated in these Rules and Regulations, the uses of reclaimed water include only those uses approved by the California State Department of Health Services and for which Title 22 of the California Code of Regulations provides treatment requirements. Each such use will be considered for approval on a case-by-case basis. Prior to approval and at its discretion, the District may set forth specific requirements as conditions to providing service and/or require specific prior approval from the appropriate regulatory agencies. See Table 1, of the Reclaimed Water User's Manual as prepared by the San Diego County Water Authority, Water Resources Department for allowed use.
  
- (f) Conditions of Service: Reclaimed water service shall be provided by the District only if a permit for such service is obtained in the manner provided in these Rules and Regulations. Reclaimed water service shall be available, provided and used in accordance with other codes, rules, and regulations as listed in Section 175.1(g).

If any of the following conditions of service are not satisfied at all times, the user's permit may be revoked by the District after which reclaimed water service shall cease in the manner described in these rules and regulations. Connection to a potable water system will not be allowed without payment of applicable meter capacity and connection charges.

- 1. Financial: Reclaimed water requirements relating to service fees and billing shall be the same as the applicable requirements established for water service in accordance with Article 160 of the District's Administrative Code. Rates for reclaimed water service shall be set by the District Board of Directors on an annual basis, in accordance with the Recycled Water Pricing Policy set forth in Section 175.2(d).
  
- 2. Operational:
  - A. Liability: The District shall not be liable for any damage by reclaimed or potable water resulting from:
    - ~ on-site defective plumbing
    - ~ broken or faulty services, water mains or other appurtenances on the reclaimed or potable water systems
    - ~ on-site facilities failures or cross-connections
    - ~ high or low pressure conditions
    - ~ interruptions of service
    - ~ matters involving quantities, qualities or time of delivery

Article 175      Reclaimed Water Service – Rules and Regulations(Cont'd.)

Sec. 175.1      General Requirements and Conditions (Cont'd.)

(f)      Conditions of Service (Cont'd.)

B.      Service Basis: All reclaimed water will be provided to the user in accordance with the terms and conditions established in a Recycled Water Use Agreement and the conditions and quantity specified in the user's Permit for Reclaimed Water Service. Reclaimed water use shall also be subject to restrictions stated in other applicable governing documents.

3.      Regulatory: Reclaimed water service may be suspended or terminated whenever reclaimed water quality does not comply with the requirements of the regulatory agencies. In addition, the RWQCB may initiate enforcement action against any reclaimed water user that discharges reclaimed water in violation of any applicable discharge prohibitions or in a manner which creates or could create conditions of pollution, contamination or nuisance as defined in the California Water Code Section 13050. Such enforcement action may also be initiated at any time these Rules and Regulations are violated.

(g)      Other Applicable Codes, Rules and Regulations:

1.      Regulations, or sections thereof, already adopted for potable water systems by the District are applicable for reclaimed water system operations. Regulations governing potable water system features and operations that govern reclaimed water systems are included in the District's Administrative Code.
2.      Other applicable guidelines, rules and regulations, ordinances and/or specifications that govern the use of reclaimed water within the District include:

<u>Document Title</u>	<u>Document #</u>	<u>Agency</u>
Wastewater Reclamation Criteria	Title 22, Div. 4	CA Dept. of Health Services (DOHS)
Regulations Relating to Cross-Connections	Title 17	DOHS
Guidelines for Use of Reclaimed Water		DOHS
Guidelines for the Use of Reclaimed Water for Construction Purposes		DOHS

Per Ordinance No. 2012-09 Adopted 10/15/12 [Sec. 175.1(f)(2)B]  
Per Ordinance No. 2012-04 Adopted 5/21/12 [Sec. 175.1(g)(2)]

Article 175      Reclaimed Water Service – Rules and Regulations(Cont'd.)

Sec. 175.1      General Requirements and Conditions (Cont'd.)

(g)      Other Applicable Codes, Rules and Regulations (Cont'd.):

<u>Document Title</u>	<u>Document #</u>	<u>Agency</u>
Guidelines for Worker Protection at Water Reclamation Use Areas		DOHS
Guidelines for Use of Reclaimed Water for Irrigation and Impoundments		DOHS
Criteria for the Separation of Water Mains From Sanitary Sewers and Pipes Carrying Reclaimed Water		DOHS
Guideline for the Preparation of An Engineering Report on the Production Distribution, and Use of Reclaimed Water		DOHS
Criteria for Mosquito Prevention on Wastewater Reclamation or Disposal Projects		DOHS
Guidelines for Distribution of Non-Potable Water		Calif.-Nevada Section, American Water Works Assoc. (AWWA)
Manual of Cross-Connection Control		Foundation for Cross-Connection Control and Hydraulic Research, School of Eng. Univ. South. Calif.
Uniform Plumbing Code		International Assoc. of Plumbing and Mechanical Officials
Reclaimed Water User's Manual		San Diego County Water Authority
Recycled Water Plan Check and Inspection Manual		DEH

Per Ordinance No. 2005-11 Adopted 9/6/05 [Sec. 175.1(g)(2)]

Sec. 175.2      Administration Requirements

(a) Procedures for Receiving Reclaimed Water Service: The following sections define the steps a potential reclaimed water user must complete in order to receive service. These steps may in special cases be modified; however, for the majority of applicants these will be the procedures that define the process. Approval for service shall be indicated by the District issuing a Permit for Reclaimed Water Service. This permit shall be in addition to permits and conditions required by all other regulatory agencies. Normally, the agencies involved in this process include the reclaimed water purveyor and San Diego County Department of Environmental Health (DEH). In addition, the local municipality planning department, and RWQCB may be involved in the review process. A checklist that summarizes the steps for obtaining reclaimed water service is available from the Engineering Services Department.

1. Preliminary Determination

A. All potential uses of reclaimed water shall be reviewed by the District. The District shall determine whether a given service will be furnished with potable or reclaimed water. The decision shall be in accordance with the following:

- ~ Policies of the District
- ~ Standards set forth in Title 22, CCR
- ~ Current discharge permit issued by the RWQCB
- ~ Protection of public health
- ~ Availability and/or feasibility of providing reclaimed water service.

B. The District and the potential customer should have a preliminary meeting to discuss the prospects of using reclaimed water. Generally, the District will need information that is provided on a completed application form to make the determination. (See Section 175.2 (a) 2). If it is decided that reclaimed water will be served, then the District provides the customer with the following:

- ~ Location of proposed Point of Connection (POC)
- ~ Maximum pipe/meter size available for the proposed POC
- ~ Static pressure at proposed POC
- ~ Maximum GPM that can be delivered.

Sec. 175.2      Administration Requirements (Cont'd.)

(a)      Procedures for Receiving Reclaimed Water Service (Cont'd.):

2.      Application Procedures

A.      A completed application package for reclaimed water service must be submitted to the District by the property owner, or authorized representative of the owner of the property which is intended to be serviced with reclaimed water. The following items are to be included in the application package:

- ~ Completed application form
- ~ Required drawing(s) (Blueprints are not submitted at this time)
- ~ Retrofit report (if converting an existing potable water system)
- ~ Required deposits

The Steps for obtaining recycled water service are listed in Appendix 1.

B.      The District shall furnish the application form upon request by prospective users. This will often occur at the preliminary determination meeting (see Section 175.2(a)1 above). An application form is available from the Engineering Services Department.

A sample application form is included as Appendix 2 of these Rules and Regulations for Reclaimed Water Service.

C.      The applicant shall supply information concerning:

- ~ Applicant's relationship to the subject property as legal owner, tenant or lessee, or authorized representative of the legal owner.
- ~ Description of reclaimed water use on the property
- ~ Legal description of property
- ~ Technical information (listed on the application form)
- ~ Total irrigated acres
- ~ Special conditions (other items that could be of concern when using reclaimed water)
- ~ A drawing of the property on one 8½ x 11 paper sheet that shows:
  - ~ Proposed location of service connection, reclaimed and potable water main lines
  - ~ Size of desired service connection
  - ~ Use area location

Sec. 175.2      Administration Requirements (Cont'd.)

(a)      Procedures for Receiving Reclaimed Water Service (Cont'd.):

2.      Application Procedures (Cont'd.)

- ~ Areas to be served with reclaimed water and areas excluded from reclaimed water service
- ~ A brief description of all special construction requirements.

- D. The applicant shall state by signature on the application form that he agrees to comply with these rules and regulations and any and all other applicable governing documents.
- E. The application package may be submitted by mail or hand delivered to the District office. It may also be submitted in person if a preliminary determination meeting is held.
- F. Upon receipt of the completed application package, the District shall review the material and respond to the applicant within 14 calendar days. The District may research, or request from the applicant, additional information it deems necessary. After review of the application package, and/or through discussion with the applicant at the preliminary determination meeting, the District shall determine if the property to be served is in a suitable area for reclaimed water use. The District shall also determine if the proposed reclaimed water use is an approved use and if the necessary quantity and quality of reclaimed water can be made available to the applicant.

The District may prescribe specific requirements for service which may concern:

- ~ Additional facilities to be constructed
- ~ Manner of construction
- ~ Financial responsibility
- ~ Use of reclaimed water

- G. Upon successful completion of its review, the District shall submit the application package to the DEH for its approval.
- H. Upon approval of the application package by the DEH, the applicant will be requested to submit to the District detailed construction plans (blueprints) and the construction schedule for review. All other required fees will be collected by the District at this time. Refer to the following section, "Plan Review Procedures", for details.

Sec. 175.2      Administration Requirements (Cont'd.)

(a)      Procedures for Receiving Reclaimed Water Service (Cont'd.):

3.      Plan Review Procedures:

- A.      The District's Design Guidelines for Reclaimed Water lists the items that should be noted on reclaimed water system plans.
- B.      Upon request by the District, the applicant shall submit 2 blueprints of the system to the District. One copy will be sent to DEH for review. The District will maintain coordination with DEH of the review process.
- C.      The applicant shall incorporate comments and changes from the reviewing agencies into the plans.
- D.      The applicant shall resubmit updated/corrected plans to the District for signatures by both reviewing agencies.
- E.      The applicant may be required to submit plans approved by DEH to the District.

(b)      Permits:

- 1.      The District will issue a Permit for Reclaimed Water Service upon completion of the steps listed in the Checklist/Action Request Form for Obtaining Reclaimed Water Service as included in Appendix 1. The permit and contract for Reclaimed Water Service shall be the binding agreement between the District and the user.
- 2.      A District Permit for Reclaimed Water Service must be obtained by the user to receive reclaimed water on any property.
- 3.      Permits to receive reclaimed water service or any connection for service shall be subject to the following conditions:
  - A.      The applicant shall adhere to requirements prescribed by these rules and regulations and to all additional requirements prescribed by governing agencies pertaining to reclaimed water service.
  - B.      The applicant shall pay specified connection fees, service line charges and other charges prior to issuance of the permit.

Per Ordinance No. 2012-09 Adopted 10/15/12 [Sec. 175.2(a)(3)B]

Per Ordinance No. 2005-11 Adopted 9/6/05 [Sec. 175.2(b)(1)]

Sec. 175.2      Administration Requirements (Cont'd.)

(b)      Permits (Cont'd.):

- C.      In order to maintain acceptable working conditions throughout the reclaimed water system, the District may schedule reclaimed water use. Such scheduling may involve programming deliveries to different users and/or to various portions of a single user's on-site system. Any scheduling shall consider applicable constraints of all involved regulatory agencies and the operating constraints of the affected users.
- D.      The District may temporarily terminate reclaimed water service at any time the reclaimed water at the terminal point of the reclamation plant does not meet the requirements of the regulatory agencies. Reclaimed water service would, in such case, be restored when the reclaimed water meets the governing requirements at the terminal point of the treatment plant. The District may provide reclaimed water service from other approved sources. In addition, approved air gap separations may be used to provide potable water to the reclaimed water system to ensure water service.
- E.      The District may apply for and process all applicable regulatory agency permits. The cost and preparation of any study or report necessary to comply with California Environmental Quality Act (CEQA) or other regulatory requirements shall be the responsibility of the applicant.
- F.      The Reclaimed Water Service permit shall come into force after the project has been completely constructed, tested and approved by the involved agencies.
- G.      A copy of the current permit must be available for review at all times, clearly visible at the use site and on file at the user's office.
- H.      The Reclaimed Water Service permit shall include the following:
  - (1)      Name and address of owner and user.
  - (2)      A statement that no changes in the proposed system will be undertaken without application for and issuance of an amended Reclaimed Water Service permit.

Article 175      Reclaimed Water Service – Rules and Regulations(Cont'd.)

Sec. 175.2      Administration Requirements (Cont'd.)

(b)      Permits (Cont'd.):

- (3) A statement that the applicant recognizes potential penalties for violation of the rules and regulations of the District and any regulatory agencies.
- (4) Specific quantity of reclaimed water to be used. The following must be identified:
  - ~ Average annual HCF used
  - ~ Maximum GPM needed at the POC as shown on the plans
- (5) Brief description of approved uses
- (6) Rate(s) charged for reclaimed water
- (7) Property location and estimated irrigated acres

I. The Reclaimed Water Service permit shall stay in effect indefinitely, but shall be canceled if:

- (1) A change of ownership occurs
- (2) A change of user occurs
- (3) A change of reclaimed water use occurs
- (4) A violation of these rules and regulations occurs and results in a system turn-off.

A sample of the permit form is included as Appendix 4 of this document.

J. A new application must be submitted to reinstate a permit that has been canceled.

(c)      Contracts/Agreements

All contracts or agreements for reclaimed water shall be subject to these rules and regulations. No applicant shall be entitled to a contract or agreement unless authorized by the District. The terms and conditions of contracts or agreements authorized by the District shall be established by the District, at its sole discretion. Each contract or agreement must be in writing and be approved by the General Manager to be valid. The General Manager is not obligated by these rules and regulations to approve any contract or agreement.

Per Ordinance No. 2005-11 Adopted 9/6/05 [Sec. 175.2(b)(3)]

Sec. 175.2      Administration Requirements (Cont'd.)

(d)      Rates, Fees, Charges, Deposits

1.      General

All rates and fees regarding reclaimed water service and their administrative costs shall be fixed and established by the District. Any changes in fee schedules shall be automatically adopted into these Rules and Regulations for Reclaimed Water Service.

Applicants for reclaimed water service shall pay their fair share for the construction of facilities needed to deliver reclaimed water to the applicant's property. All fees and estimated construction costs shall be paid prior to construction; however, the District may reimburse the applicant for a portion of the cost of such facilities as set in Section 175.2(d)5.

2.      Recycled Water Pricing Policy

As an inland wastewater discharge agency, it is the intention of the District to establish a recycled water rate policy which encourages the use of recycled water in lieu of imported potable water that (a) secures disposal of all treated effluent through appropriate and recognized beneficial uses, such as landscape and agricultural irrigation; (b) provides a reasonably favorable price differential for landscape/turf grass irrigation purposes that would otherwise be supplied with imported potable water supplies to offset additional facility, signage, regulatory and operational costs incurred by the end users; (c) provides a substantially favorable price differential to agriculture customers able to utilize recycled water to sustain the commercial use of their property, offset additional facility, regulatory, operational and horticultural practice costs incurred, and reduce or eliminate their demand for imported potable water through the use of recycled water; and (d) provides an incentive for replacing local water supplies used for beneficial use irrigation with recycled water when necessary to secure sufficient disposal areas for all recycled water produced.

Recycled Water Rates shall be established in accordance with the following criteria and memorialized in a Recycled Water Use Agreement:

A. Replacement of Imported Potable Supplies. New or existing customers with permanent irrigation demands with no other sources of water except imported potable water supplies would be supplied recycled water at 85% of the current Domestic Water Rate, as it may be amended from time to time.

Article 175      Reclaimed Water Service – Rules and Regulations(Cont'd.)

Sec. 175.2      Administration Requirements (Cont'd.)

(d)      Rates, Fees, Charges, Deposits (Cont'd.)

2.      Recycled Water Pricing Policy (Cont'd.)

B. Agricultural Beneficial Uses – Commercial agricultural customer currently supplied with imported potable water would be supplied with recycled water at 50% of the current Domestic Water Rate, as it may be amended from time to time.

C. Replacement of Local Supplies – If recycled water is available and customers with beneficial uses qualifying for Sections A or B above are not available, then Recycled Water shall be made available to appropriate beneficial use customers to replace irrigation demands that are currently supplied from local sources. In order to encourage the use of recycled water, the recycled water rate shall be set equivalent to the customer's cost of the local source, as mutually determined by the applicant and the District and verified by the District, but in no event less than 15% of the current Domestic Water Rate, as it may be amended from time to time.

3.      Change of Rates or Charges

The District reserves the right to change the schedule of reclaimed water rates, service charges and any other charges, deposits or fees at any time. These changes are subject to the terms of any existing reclaimed water service permits (and/or agreements) and will be made by appropriate action of the Board of Directors. The schedule of reclaimed water rates shall be automatically amended when the District authorizes increases, or decreases, in the Domestic Water Rate.

4.      Temporary Service

The reclaimed water rate for all water sold through temporary meters shall be the same as the construction reclaimed water rate. The charges for reclaimed water sold through temporary meters shall be billed and paid on a monthly basis.

Article 175      Reclaimed Water Service – Rules and Regulations(Cont'd.)

Sec. 175.2      Administration Requirements (Cont'd.)

(d)      Rates, Fees, Charges, Deposits (Cont'd.)

5.      Financial Participation by District or Others

Under certain circumstances, the District or others may contribute to the cost of constructing the facilities needed to deliver reclaimed water to an applicant's property. Subject to the availability of funds, the District may:

- A.      Reimburse an applicant for costs incurred to install oversized facilities.
- B.      Elect to participate in or construct main lines, reservoirs, pumping stations or other facilities, as it determines necessary and/or as funds are available.

Sec. 175.3      Technical Requirements

(a)      Size, Location and Installation of Service Line

The District reserves the right to determine the size, location and type of:

- ~ reclaimed water service lines
- ~ service connections
- ~ meters
- ~ backflow protection devices and all other appurtenances included in the service area.

The reclaimed water service lines shall be extended to a curb line or property line of the customer's property, abutting upon a public street, highway, road or utility easement in which reclaimed water mains are installed.

(b)      Service Connection Limitations

Permits for Reclaimed Water Service shall be issued under the following conditions:

1.      The District reserves the right to limit the area of land under one ownership or homeowner's association to be supplied by one reclaimed water service connection and one reclaimed water meter.

Sec. 175.3      Technical Requirements (Cont'd.)

(b)      Service Connection Limitations (Cont'd.)

2.      A reclaimed water service connection and its corresponding meter shall not be used to supply adjoining property of a different owner, or to supply property of the same owner across a road, street or other public right-of-way. When a property provided with a reclaimed water connection and corresponding meter is subdivided, such connection and meter shall be considered as serving the lot or parcel of land on which the meter is located. Additional reclaimed water mains and/or reclaimed water service lines will be required for all subdivided areas in accordance with these rules and regulations.
3.      Irrigation systems in homeowners' associations and other developments where landscaping around homes and in common areas are served with one meter, shall be allowed to cross roads, streets or other rights-of-way within the association's property.
4.      All reclaimed water used on any property where a meter is installed must pass through the meter. Customers shall be held responsible and charged for all reclaimed water passing through their meters.
5.      All reclaimed water service lines installed by the District shall be equipped with a curb stop or wheel valve on the inlet side of the meter. The valve or curb stop is to be used only by District personnel to control the reclaimed water supply through the service line. If the wheel valve or curb stop is damaged by the customer or their use of reclaimed water to an extent requiring replacement, then the customer shall bear full financial responsibility.
6.      Service Pressure: When a reasonable service pressure would not be available to onsite facilities not previously served from the potable water system, the user shall be responsible for correcting this situation. If available service pressure is too high, the user shall utilize pressure regulators downstream of the meter to obtain the correct pressure. If available pressure is too low, the user shall provide booster pumping to increase the pressure. When a reasonable service pressure would not be available to onsite facilities previously served from the potable water system, correcting this situation upon conversion to the reclaimed system shall be handled as follows:
  - A.      If user-provided booster pumping or pressure regulation was required for on-site facilities when service was provided from the potable system, then any booster pumping or pressure regulation required for reclaimed water service shall be provided by the user.

Sec. 175.3      Technical Requirements (Cont'd.)

(b)      Service Connection Limitations (Cont'd.)

6.      Service Pressure (Cont'd.)

B.      If reasonable service pressure was available for the on-site facilities when service was provided from the potable system, then any action needed to provide reclaimed water service shall be considered on a case-by-case basis.

7.      Service is commenced after issuance of a Permit for Reclaimed Water Service by the District.

(c)      Relocation of Reclaimed Water Service Lines

Should a reclaimed water service line installed according to the directions of the applicant, owner or customer be of the wrong size, installed at a wrong location or depth, the cost of relocation or removal shall be paid by the user where the error was that of the user or the user's representative. All services provided prior to final street improvements shall be considered temporary and the costs for any repairs or changes to onsite facilities required to be performed by the District shall be paid by the user.

(d)      Protective Measures

The following provisions are to protect the District's potable water supplies against cross-connections to the user's reclaimed water system. These provisions are in addition to, not in lieu of, the controls and requirements of other regulatory agencies. These provisions are in accordance with Title 17 of the California Code of Regulations. These regulations are intended to protect the District's potable water supplies and are not intended to provide regulatory measures for protection of users from the hazards of cross-connections within their own property.

1.      Before reclaimed water service is initiated, the applicant must provide sufficient information, including plumbing and building plans, to enable the District to determine the level of backflow protection required. The proper backflow protection, as determined by the District on a case-by-case basis, shall then be installed and inspected before reclaimed water service is provided. The user may choose a higher level of protection than required by Title 17.

Sec. 175.3      Technical Requirements (Cont'd.)

(d)      Protective Measures (Cont'd.)

2.      Approved backflow prevention devices, on the District's potable water services to the property, as required in these provisions, shall be provided, installed, tested, and maintained in accordance with District rules and regulations at user expense. These devices shall be located on the property served immediately downstream of the meter and shall not be on the District's facilities. All devices shall be readily accessible for testing and maintenance and no device shall be submerged at any time.
3.      Each time there is a change of customer (either owner or tenant) on any commercial or industrial premise, the owner or customer shall notify the District immediately. The District will then reassess the level of protection required. Also, any alterations to existing onsite facilities that may affect the required protection level must be reported immediately to the District.
4.      At their discretion, representatives of any health agency having jurisdiction and the District may conduct surveys of any property where water service is provided by the District. Surveys shall be in conformance with the most current DEH Recycled Water Plan Check and Inspection Manual. These surveys are to determine if any actual or potential cross-connections exist. The user shall provide full cooperation in facilitating these surveys.
5.      Where protection is required, approved backflow protection for potable water supplies shall be provided as follows:
  - A.      Each District water service connection that supplies potable water to a premises having an auxiliary water supply that is not accepted as a potable source by the District and/or is not approved for such use by the DEH shall be protected against backflow from the premises into the District's water systems.
  - B.      Each District water service connection for supplying potable water to a premises on which any substance is handled in such a fashion as to permit entry into the District's water system from the premises shall be protected against backflow of the water from the premises into the District water system. This shall include, but not be limited to, the handling of process waters, waters originating from any of the District water systems that have been subject to deterioration in quality and agricultural use.

Sec. 175.3      Technical Requirements (Cont'd.)

(d)      Protective Measures (Cont'd.)

5.      C.      Backflow devices shall be installed where premises have intricate plumbing and piping arrangements or where not all portions of the premises are readily accessible for inspection.
- D.      Backflow protection may be required at premises where there has been a history of cross-connections being re-established.
6.      Other Measures
  - A.      Whenever possible, the District will operate the reclaimed water system at a lower pressure than the potable water systems. This will cause potable water to flow to the reclaimed water system in the event of a cross-connection.
  - B.      Water meters used for reclaimed water service shall be tagged or color-coded purple or otherwise distinguished as such. These meters shall not be used for potable water service.
  - C.      Periodic inspection of the reclaimed water facilities will determine if all identifying items are still clearly discernable. If not, they should be replaced, repaired or refurbished as needed. These items include:
    - ~ Identification tape, tags and labels
    - ~ Painted surfaces
    - ~ Covers, caps, signs
    - ~ Other items that indicate reclaimed water is being used.
  - D.      In the event of contamination or pollution of a potable water system due to a cross-connection or other failure, the District shall immediately (and within no later than 24 hours) notify the DEH and DOHS so that appropriate measures will be taken to minimize impacts to other potable water system users.

Sec. 175.3      Technical Requirements (Cont'd.)

(d)      Protective Measures (Cont'd.)

7.      Water Service Termination: When the District determines that reclaimed water uses or conditions encountered by the District represent a clear and immediate hazard to the District's potable and/or reclaimed water supply that cannot be immediately removed or corrected, the District shall begin the procedure for terminating the reclaimed water service. Conditions or uses that create a basis for termination include, but are not limited to:
  - A.      Refusal to install a required backflow prevention device.
  - B.      Refusal to test a backflow prevention device.
  - C.      Refusal to repair or replace a faulty backflow prevention device.
  - D.      Direct or indirect connection between the District potable and reclaimed water systems.
  - E.      Direct or indirect connection between the District's reclaimed water system and a system or equipment containing contaminants.
  - F.      A situation which presents an immediate health hazard to the District's potable and/or reclaimed water system, as determined by the District or other regulatory agency.
  - G.      System operation does not conform to all applicable rules and regulations.
  - H.      Reclaimed water quality does not comply with regulatory agency requirements.
  - I.      Non-payment of fees and charges.

Sec. 175.3    Technical Requirements (Cont'd.)

(e)    Inspection and Maintenance of Protective Devices

The user is responsible for inspecting and testing in accordance with District policy all on-site backflow prevention devices at least once a year, or more often in those instances where successive inspections indicate repeated failure. This includes devices protecting reclaimed and potable water systems. All inspections shall be performed at the user's expense by a certified tester. These devices shall be repaired, overhauled and/or replaced at the expense of the user whenever they are found to be defective. These devices shall also be tested immediately after they are installed, relocated or repaired. The District shall maintain records of all such tests, repairs and overhauls. These records shall be made available to the State and County health departments upon request.

(f)    Facilities Design

1.    On-site Facilities

- A.    The design of customer, (on-site) facilities that will use reclaimed water, and preparation of plans and construction specifications shall be under the responsibility of a landscape architect or engineer registered with the State of California.
- B.    The design of on-site reclaimed water facilities shall conform to all governing codes, rules and regulations, and ordinances as indicated in Section 175.1(g)2. Facility design shall also conform to all design criteria for reclaimed water adopted by the District. When the District's Rules and Regulations for Reclaimed Water Service and/or Standard Specifications for Construction of Reclaimed Water Distribution Facilities require a higher quality material, equipment, design or construction method than that required by other governing codes, rules and regulations, the most stringent specifications shall take precedence.

Sec. 175.3    Technical Requirements (Cont'd.)

(f)    Facilities Design (Cont'd.)

- C. Adequate means of notification shall be provided to inform the public, employees and others that reclaimed water is being used. Equipment shall be appropriately identified as part of the reclaimed water system. Conspicuous signs with appropriate wording that can be clearly read, should be placed at adequate intervals around and throughout the authorized use area. Refer to Reclaimed Water Design Criteria, Standard Specifications for Construction of Reclaimed Water Distribution Facilities and the Reclaimed Water User's Manual, as published by the San Diego County Water Authority, Water Reclamation Department, for further details.
  - D. Before the District grants final acceptance of any system using reclaimed water, as-built drawings shall be provided accurately depicting any changes or modifications from the originally approved design drawings. All proposed changes and/or modifications to the original design drawings shall be approved by the District prior to installation. The installed system shall be tested in accordance with the District's Standard Specifications for Construction of Reclaimed Water Distribution Facilities to ensure that the system is in full compliance with these rules and regulations.
  - E. All on-site reclaimed water facilities shall be provided by the customer at his or her expense. The customer shall retain title to all on-site facilities.
2. Off-site facilities
- A. The design of off-site facilities, including the preparation of plans and construction specifications, shall be under the responsibility of an engineer registered in the State of California.
  - B. Any off-site reclaimed water distribution facilities, to the extent determined by the District, required to serve property within the District shall be provided by the customer at their expense, unless the District determines it is a District benefit to construct these capital facilities.
  - C. Plans and specifications for all reclaimed water distribution facilities shall be submitted to and approved by the District in advance of construction.

Sec. 175.3      Technical Requirements (Cont'd.)

(f)      Facilities Design (Cont'd.)

2.      Off-site facilities (Cont'd.)

D.      The District will assume responsibility for providing reclaimed water service to the point of connection of such development upon acceptance by and transfer to the District of title to all off-site reclaimed water systems and any necessary easements. All easements shall be in a form acceptable to the District and not subject to outstanding obligations to relocate such facilities or any deeds of trust, except in instances where such is determined by the District to be in the best interest of the District.

E.      The property owner, authorized representative of the property owner or developer (Proponent), may request that the District enter into a reimbursement agreement for the portions of a system which are required to be oversized with capacity to supply more reclaimed water than the Proponent requires. The decision to enter into a reimbursement agreement shall be made by the District.

3.      Interim Service: In areas where reclaimed water is not immediately available when the use area is ready for construction, and when the District has determined that reclaimed water will be supplied in the future, on-site facilities shall be designed to use reclaimed water. Provisions shall be made and these rules and regulations followed to allow for connection to the District's off-site reclaimed water facilities when available. In the interim, potable or other suitable water may be supplied to the on-site facilities through an "interim service connection." Once reclaimed water becomes available, the "interim service connection" shall be terminated and the on-site facilities shall be connected to the off-site reclaimed water facilities.

A.      Conditions of interim service are:

1.      The anticipated reclaimed water will be available to the site within five years of the time interim service is initiated.
2.      The applicant must obtain a Permit for Reclaimed Water Service.

Sec. 175.3      Technical Requirements (Cont'd.)

(f)      Facilities Design (Cont'd.)

3.      Interim Service (Cont'd.)

3.      The applicant must agree to perform all work necessary to make connections to the permanent reclaimed water system once installed by the District.
  4.      The applicant must connect to the reclaimed water system once it becomes available.
- B.      An approved backflow prevention device is required on the interim service as long as the on-site facilities are using an alternate source of water. The backflow preventer shall be at the POC with the interim supply system and a part of the on-site reclaimed water facilities. The District will remove the interim connection at the user's expense and will make the connection to the on-site facilities when reclaimed water becomes available.
- C.      Future reclaimed water customers will pay for the following:
1.      Cost of constructing and abandoning the interim service.
  2.      Applicable reclaimed water fees at the time service becomes available.
  3.      Applicable interim water rates for the type of water delivered through the interim service.
- D.      When reclaimed water is available to the site, an inspection of the on-site facilities will be conducted by the District to verify that the facilities have been adequately maintained and are still in compliance with the reclaimed water use permit. Reclaimed water service shall be provided upon verification of compliance. If the facilities are not in compliance, the District shall notify the user to correct the situation.

Sec. 175.3    Technical Requirements (Cont'd.)

(g)    Construction

1.    New: Construction of new reclaimed water facilities, both on-site and off-site, shall be in accordance with the District's approved Standard Specifications for the Construction of Reclaimed Water Distribution Facilities. The District shall verify compliance with all standards and specifications. Construction activities may begin only after the user has obtained approval for reclaimed water use from the appropriate regulatory agencies.
  
2.    Conversion to reclaimed water use (retrofitting): Where it is planned that an existing non-reclaimed water system be converted to a reclaimed water system, the facility to be converted to reclaimed water shall be investigated in detail at the user's expense. On a case-by-case basis, the District shall review the as-built drawings, prepare required reports for the user and determine the measures necessary to bring the system into full compliance with these rules and regulations. The user shall accurately locate all pipelines and related equipment in the field. No existing potable water facilities shall be connected to or incorporated into the reclaimed water system without the District's approval. The DEH shall also review and approve all retrofits.
  
3.    Conversion from reclaimed water use: If, due to on-site failure of the reclaimed water system or use violations, the District determines it necessary to convert on-site facilities from a reclaimed water supply to a potable or other water supply, it shall be the responsibility of the user to pay all costs for such conversion, including applicable Capacity and Connection Charges, unless determined otherwise by the District. Conversion costs shall include the following:
  - A.    Isolation of the reclaimed water supply. Service shall be removed and plugged by the District at the reclaimed water main or abandoned in a manner approved by the District.
  
  - B.    Installation of approved backflow prevention devices. The user shall install approved backflow devices on all potable or other water meter connections as needed.
  
  - C.    Removal of equipment used solely for reclaimed water. The user shall be responsible for replacement with equipment approved for potable water systems.

Sec. 175.3    Technical Requirements (Cont'd.)

(g)    Construction (Cont'd.)

- D.    Notification to all on-site personnel involved.
- E.    Removal of all labels and signs informing of reclaimed water use.
- F.    Installation of all potable waterlines and facilities and any capacity fees due, as provided for in the District's Administrative Code.
- G.    Payment of all applicable fees and charges.

(h)    Emergency Connection to Potable Water System

If the District determines an emergency exists where all or part of the reclaimed water system is unable to provide reclaimed water, the District may approve a temporary connection to the potable water system. Before such temporary connection is made, the portion without reclaimed water shall be isolated by an air gap separation from the remainder of the reclaimed water system. This isolation shall occur at either individual services or on the off-site system, as determined by the District. A District approved backflow prevention device shall be installed on the potable water lines in accordance with all governing agencies. The emergency connection shall be removed before connection is re-established to the remainder of the reclaimed water system. Re-establishment of reclaimed water service must be inspected and approved by the District prior to resuming delivery of reclaimed water. Supplemental emergency supplies will be delivered at the rate then in effect for the type of alternate water used.

Sec. 175.4    Facilities Operation

(a)    Off-Site Facilities

Operation, surveillance, maintenance and repair of all off-site (District owned) reclaimed water systems, including but not limited to reclaimed water pipelines, valves, connections, storage facilities, and other related equipment and property up to and including the meter, shall be under the management and control of the District. No other persons except authorized representatives of the District shall have the right to enter upon any of the off-site facilities. Only District personnel and their representatives shall operate, adjust, change, alter, move or relocate any portion of the off-site reclaimed water system.

Sec. 175.4      Facilities Operation (Cont'd.)

(b)      On-Site Facilities

1.      Reclaimed Water Supervisor

A.      The operation, surveillance, maintenance and repair of all customer-owned (on-site) reclaimed water facilities are the responsibility of the user. The user's designated "Reclaimed Water Supervisor" shall bear this responsibility in accordance with the District's rules and regulations and Title 17 of the California Code of Regulations. The District shall be furnished the following information regarding the individual designated as "Reclaimed Water Supervisor":

- (1)      Name
- (2)      Address
- (3)      Telephone number
- (4)      Location during normal working hours
- (5)      Telephone number at which they can be reached during off-hours

(Refer to Reclaimed Water User's Manual as published by the San Diego County Water Authority, Water Reclamation Department, for detailed list of supervisor's duties).

B.      The District shall be notified in writing of any change in the above listed information for the user's Reclaimed Water Supervisor, within ten working days.

C.      The State and County health departments shall also be notified in writing of any change in the above listed information for the user's Reclaimed Water Supervisor, within ten working days.

2.      The user shall operate the facilities according to the following provisions:

A.      Onsite reclaimed water facilities shall be operated in accordance with best management practices (BMP's) to prevent direct human consumption of reclaimed water and to minimize misting, ponding and runoff. BMP's shall be implemented that will minimize both public contact and discharge onto areas not under customer control. These practices are listed in the Reclaimed Water User's Manual as published by the San Diego County Water Authority, Water Reclamation Department.

Article 175      Reclaimed Water Service – Rules and Regulations(Cont'd.)

Sec. 175.4      Facilities Operation (Cont'd.)

(b)      On-Site Facilities (Cont'd.)

- B.      The operation of the on-site reclaimed water facilities shall be during periods of minimal human use of the service area. Consideration shall be given to allow a maximum dry-out time before the irrigated area will be used by the public.
  - C.      Other precautionary measures should be taken to minimize direct contact with recycled water. User's employees, residents and the public should not be subjected to secondary sprays. For work involving more than a casual contact with recycled water, employees must be provided with proper protective equipment.
  - D.      The user shall report to the District any/all failures in the reclaimed water system that cause an unauthorized discharge of reclaimed water.
  - E.      All drinking fountains located within the approved use area shall be protected by location and/or a structure from contact with reclaimed water to the maximum extent possible. Windblown spray, direct application through irrigation or other approved uses are considered sources of reclaimed water. Protection shall be by design, construction practice, or system operation.
  - F.      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 by siting and/or structure from contact with reclaimed water to the maximum extent possible. Windblown spray, direct contact by irrigation application, or other approved uses are considered sources of reclaimed water. Protection shall be by design, construction practice or system operation.
3.      The user shall enforce the following prohibitions:
- A.      Cross-connections: Cross-connections resulting from the use of reclaimed water or from the physical presence of a reclaimed water service, whether by design, construction practice or system operation, are prohibited.

Sec. 175.4      Facilities Operation (Cont'd.)

(b)      On-Site Facilities (Cont'd.)

- B.      Disposal in unapproved areas: Disposal of reclaimed water for any purposes, including approved uses, in areas other than those specifically approved in the currently effective user permit/agreement issued by the District and without the prior knowledge and approval of the governing regulatory agencies is prohibited.
- C.      Fire hydrants: Use or installation of fire hydrants on any customer water system that presently operates or is designed to operate with reclaimed water, regardless of the fire hydrant construction or identification, is prohibited.
- D.      Hose bibs: Use or installation of permanent, publically accessible hose bibs on any customer water system that presently operates or is designed to operate with reclaimed water, regardless of the hose bib construction or identification is prohibited. Hose bibs may be used on quick couplers under supervision of the reclaimed water supervisor. See the District approved Standard Specifications for Construction of Reclaimed Water Distribution Facilities and the Reclaimed Water User's Manual as published by the San Diego County Water Authority, Water Reclamation Department, for additional information.
- E.      Unapproved uses: Use of reclaimed water for any purposes other than those specifically approved in the currently effective user permit issued by the District and without the prior knowledge and approval of the governing regulatory agencies is prohibited.

(c)      Monitoring and Inspection

The District shall monitor and inspect all reclaimed water facilities, including both off-site and on-site facilities. The District shall conduct monitoring and cross-connection control programs, maintain records as deemed necessary, inspect on-site facilities for compliance with these rules and regulations, and provide reports as requested by the regulating agencies. For these purposes, the District shall have the right to enter upon the customer's premises during reasonable hours to inspect on-site reclaimed water facilities and approved use areas. Reasonable hours shall include hours when irrigation is occurring. Where necessary, keys and/or lock combinations shall be issued to the District upon request to provide such access. The District, RWQCB and DEH shall

Sec. 175.4 Facilities Operation (Cont'd.)

(c) Monitoring and Inspection (Cont'd.)

have the right to enter upon the customer's premises during reasonable hours, from time to time, to verify that the customer's irrigation practices conform with these rules and regulations and recommended BMP'S. Refer to the Reclaimed Water User's Manual as published by the San Diego County Water Authority, Water Reclamation Department, for a listing of BMP'S.

(d) Maintenance Responsibility

1. Reclaimed water system: The user is responsible for maintaining all on-site facilities that are under the ownership of parties other than the District. All facilities shall be maintained so that they operate in accordance with these rules and regulations.
2. Obstruction in meter boxes: No person shall place, dispose, deposit or permit the placement, disposal, deposit of oil, toxic, hazardous or contaminated liquid or waste, trash, soil, building materials or other substances, objects, or obstructions in, on, or around meter boxes or other District facilities. No person shall allow or permit meter boxes or other District facilities from becoming obstructed or obscured by trees, shrubs, plants or in any other manner so as to impede their use or access to them, or make their location difficult to determine. If such substances, objects, or obstructions are not cleaned and removed or are permitted to obscure or impede use or access to such facilities, the District may accomplish the cleaning and removal at the user's expense. The District must provide reasonable notice to the user before assessing the charge.

(e) Violations

1. Determination: The District reserves the right to determine if a violation of these Rules and Regulations has resulted from any action or occurrence that is the responsibility of a user. Insofar as the violation of these Rules and Regulations constitutes a violation of any regulatory agency requirement, the District shall make a determination with consultation on behalf of the concerned agency.
2. Specific Violations: Specific violations shall include those that directly cause noncompliance with any one of the specific prohibitions as listed in these Rules and Regulations. However, by definition, non-compliance with any condition or conditions of these Rules and Regulations, whether willfully or by accident, shall constitute a violation.

Sec. 175.4 Facilities Operation (Cont'd.)

(e) Violations (Cont'd)

3. Notification: It is the responsibility of the user to notify the District of any and all failures in the on-site reclaimed water system whether or not in the user's opinion the failures resulted in violations. Failures may occur as a result of the user's action, an action by unauthorized personnel or any non-designated use of the reclaimed water service. If there are any doubts regarding whether a violation has occurred, the user should notify the District so that a determination can be made.

Notification of failures and violations should be made by telephone, as soon as possible, to the District. If the failure occurs after normal business hours, notification should be made no later than 9:00 a.m. on the next regular business day following the occurrence.

4. Corrective Action:
  - A. If the District determines that a violation occurred, then it shall be the responsibility of the user to initiate corrective action. The District will record all occurrences of violations. Pertinent violations will be documented and a copy of the notice will be hand-delivered or mailed to the user.
  - B. A timetable for completing the corrective action should be negotiated with the District by the user. Such corrective actions can involve human factors, such as additional training or procedures modifications, as well as physical alterations to the system. Corrections not made in accordance with the timetable shall result in the termination of service by shutting off and locking the meter.
  - C. If, in the opinion of the District or the regulatory agency having jurisdiction, a violation or any other unsafe condition constitutes an immediate danger to public health, then service shall be terminated immediately by locking off the meter. Service shall be resumed only after the violation has been corrected to the satisfaction of the District and/or regulatory agency having jurisdiction.
  - D. The user is to maintain a written log of all system failures and violations, including corrective action taken. The log will be reviewed by the District regularly.

Sec. 175.5      Definitions

AFY : Acre-Feet per Year

Agricultural use: water used for the production of crops and/or livestock and the preparation of these products for market.

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.

Applicant: any person, firm, corporation, association or agency who applies for reclaimed water service.

Application rate: the rate at which water is applied to a use area, usually expressed in inches per hour.

Approved use: an application of reclaimed water in a manner and for a purpose, designated in a user permit issued by the purveyor and in compliance with all applicable regulatory agency requirements.

As-built drawings: record drawings (blueprints) that show the completed facilities as constructed or modified.

ASTM: American Society for Testing Materials

Automatic system: controllers, valves and associated equipment used to program and systematically operate irrigation systems for the efficient application of reclaimed water.

Auxiliary water supply: any water supply on or available to the premises other than the purveyor's potable water or reclaimed water supplies.

AWWA: American Water Works Association

Check valve: a water tight automatic device which allows flow of water in one direction only.

Commercial/industrial use: water used for toilets, urinals, decorative fountains; industrial process such as rinsing, washing, cooling, flushing, circulation or construction; and other related uses.

Contractor: Any person(s), firm or corporation entering into a legal agreement with the agency, owner or user for the performance of work on any portion of the facilities subject to these regulations.

Sec. 175.5      Definitions (Cont'd.)

Cross-connection: any unapproved and/or unprotected connection between any part of a potable water system and any source or system containing water or other substances not approved as safe and potable for human consumption.

Customer: any person, group, firm, partnership, corporation, association or agency who purchases reclaimed water service from a purveyor.

DEH: San Diego County Department of Environmental Health

Design area: a site with well-defined boundaries, proposed to receive reclaimed water for an approved use, as delineated in the Application For Reclaimed Water Service.

Direct beneficial use: the use of reclaimed water which has been transported from the point of production to the point of use without an intervening discharge to waters of the State.

Discharge: any release or distribution of reclaimed water to a use area or disposal site/mechanism (outfall, live stream, municipal sewage system). All reclaimed water discharges must be approved by the regulatory agencies.

District: the Valley Center Municipal Water District and its authorized personnel.

Double check valve assembly: an assembly of at least two independently acting check valves including, tightly closing shut-off valves on each side of the check valve assembly and suitable leak-detector drains plus connections available for testing the water tightness of each check valve.\*

Greenbelt areas: areas including, but not limited to, parkways, parks, rights-of-way, and landscaping within and/or surrounding a community.

HCF: Hundred Cubic Feet. A common unit of water volume measurement.

Infiltration rate: the rate at which water penetrates the soil surface and enters the soil profile.

Landscape impoundment: a body of water which is used for aesthetic or irrigation purposes and which is not intended for public contact or ingestion. It may or may not contain reclaimed water.

Landscape irrigation/use: reclaimed water used for the propagation and maintenance of trees, shrubs, groundcover and turf. This plant material is intended for erosion control and aesthetic value, not for resale/profit purposes.

Article 175      Reclaimed Water Service – Rules and Regulations(Cont'd.)

Sec. 175.5      Definitions (Cont'd.)

Non-potable water: water that has not been treated for, or is not acceptable for human consumption in conformance with Federal, State and local water standards. Non-potable water includes reclaimed water.

Off-site facilities: existing or proposed facilities under the control of the purveyor; from the source of supply to the point of connection with the customer's on-site facilities, normally up to and including the agency's meter and meter box.

On-site facilities: existing or proposed facilities within property under the control of the customer, normally downstream from the agency's meter.

On-site reclaimed water supervisor: a qualified person designated by a reclaimed water user and approved by the District to be responsible for the safe and efficient operation of the user's reclaimed water system. This person shall be knowledgeable in the construction and operation of reclaimed water and irrigation systems and in the application of Federal, State and local guidelines, criteria, standards, and rules and regulations governing the use of reclaimed water.

Open space: land that has been designated to remain undeveloped. These areas may receive reclaimed water service for landscape irrigation.

Permit: a processed and approved application package and agreement with the reclaimed water purveyor for reclaimed water service.

POC: Point Of Connection. Where the customer's facilities connect to the purveyor's distribution system.

Ponding: retention of piped water on a natural or man-made surface for a period of time following the cessation of an approved reclaimed water use activity such that potential public health hazard may result.

Potable water: water which is pure and wholesome, will not endanger the lives or health of human beings and conforms to all current quality standards of Federal, State and local authorities.

PSI: Pounds per Square Inch. The most common unit of pressure measurement.

Purveyor: agency or organization that sells and distributes reclaimed water to a customer.

Article 175      Reclaimed Water Service – Rules and Regulations(Cont'd.)

Sec. 175.5      Definitions (Cont'd.)

Reclaimed water: as defined in Title 22, Division 4, of the California Code of Regulations, water which, as a result of treatment of municipal wastewater, is suitable for direct beneficial use or a controlled use that otherwise would not occur. The treatment of wastewater is accomplished in accordance with the criteria set forth in the code.

Reclaimed water facilities: systems, structures, etc. used in the treatment, storage, pumping, transmission and distribution of reclaimed water.

Recreational impoundment: a body of water used for recreational activities including, but not limited to, fishing, boating and/or swimming. Allowable uses usually depend on treatment level of the water, which may or may not be reclaimed water.

Recycled water: same as Reclaimed Water and can be used interchangeably.

Reduced pressure principle backflow prevention device (RPPD): a device incorporating two or more check valves and an automatically operating differential relief valve located between the two checks, two shut off valves, and equipped with necessary appurtenances for testing.\*

Regulatory agency: those public entities legally constituted by federal, state and local statutes to protect health and water quality. The RWQCB, DEH and local purveyor are oftentimes collectively called the "regulatory agencies".

Runoff: flow of water off an intended use area over natural and/or manmade surfaces of the ground.

RWQCB: Regional Water Quality Control Board

Secondary effluent: wastewater which has been treated by gravity sedimentation to remove settleable solids remaining after a biological treatment process.

Service: delivery of reclaimed water to a user.

Service connection: the District's facilities between the District's reclaimed water distribution system and the customer's reclaimed water service valve, including but not limited to, the meter, meter box, valves and piping equipment.

Standard specifications: specifications adopted by the District for construction of reclaimed water distribution facilities.

Article 175      Reclaimed Water Service – Rules and Regulations(Cont'd.)

Sec. 175.5      Definitions (Cont'd.)

Tertiary effluent: secondary effluent which has been filtered, then disinfected.

Unauthorized discharge: any release of reclaimed water that violates these Rules and Regulations or any applicable federal, state, or local statutes, regulations, ordinances, contracts or other requirements.

Use area: a site with well defined boundaries designated to be served with reclaimed water by on-site reclaimed water facilities for an approved use.

User: any person, group, firm, partnership, corporation, association or agency accepting reclaimed water from the District's reclaimed water facilities for use in accordance with these Rules and Regulations. Applicants, owners and customers can collectively be considered as users.

Water application devices: any mechanism or device that applies water at a predetermined rate onto a receiving area. Devices generally include: impact sprinklers, pop-up sprinklers, rotor sprinklers, drip emitters, mini/microsprayers, bubblers, spinners, and portables.

Windblown spray: dispersed, airborne particles of water capable of being transmitted through the air to a location other than that for which the direct application of reclaimed water is approved.

\*Devices used shall be included on the list of devices approved by the Foundation for Cross-Connection Control and Hydraulic Research, School of Engineering, University of Southern California.



VALLEY CENTER MUNICIPAL WATER DISTRICT
29300 Valley Center Road
P.O. Box 67
Valley Center, CA 92082
(760) 735-4500

CHECKLIST/ACTION REQUEST FORM FOR OBTAINING RECYCLED WATER SERVICE

Requested By \_\_\_\_\_ Signed \_\_\_\_\_
Project Name \_\_\_\_\_ Date \_\_\_\_\_
Specific Action Requested \_\_\_\_\_

DATE COMPLETED

- 1. Applicant and VCMWD determined if area in question is currently, or will be, served with recycled water.
2. Applicant submitted a completed application package to VCMWD.
3. VCMWD has reviewed the application package
4. If approved, VCMWD will send the application package to the RWQCB and the DEH.
5. If reviewed and/or approved by RWQCB and DEH, the applicant then submits to VCMWD a completed set of irrigation plans for construction
6. Plans are reviewed by VCMWD
7. Upon Approval of plans and work schedule, applicant requests service connection prior to facilities' installation/conversion
8. Applicant constructed/converted facilities
9. Applicant submitted as-built plans to VCMWD
10. Applicant requested final inspection by VCMWD
11. VCMWD performed final inspection and operational testing.
12. If final inspection passes, VCMWD will request approval from RWQCB to begin service.
13. Application granted final approval for services.
14. VCMWD issued a Recycled Water Use Permit
15. VCMWD initiated recycled water service (including setting of meter).
16. VCMWD confirmed service to RWQCB and State and County Health Departments.

HOW TO USE THIS FORM:

This form is to be used by the applicant, purveyor, DEH, and RWQCB to request specific action or items needed to complete the process for obtaining recycled water service. Complete each step in the sequence shown.



VALLEY CENTER MUNICIPAL WATER DISTRICT  
29300 Valley Center Road  
P.O. Box 67  
Valley Center, CA 92082  
(760) 735-4500

APPLICATION FOR RECYCLED WATER SERVICE

Applicant to complete the following: *(Please print or type)*

User: \_\_\_\_\_ Contact: \_\_\_\_\_

Interest in Property: \_\_\_\_\_

Mailing Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Project/Site Name: \_\_\_\_\_

Project/Site Address: \_\_\_\_\_

Property Owner(s): \_\_\_\_\_ Phone: \_\_\_\_\_

Recycled Water Supervisor: \_\_\_\_\_ Phone: \_\_\_\_\_

Legal Land Description: \_\_\_\_\_

1. Type of Use (Check each use)
- |   |   |   |                                |
|---|---|---|--------------------------------|
| <input type="checkbox"/> Landscape irrigation | <input type="checkbox"/> Agricultural         | <input type="checkbox"/> Recreational     | <input type="checkbox"/> Other |
| <input type="checkbox"/> Commercial           | <input type="checkbox"/> Groundwater Recharge | <input type="checkbox"/> Impoundments     |                                |
| <input type="checkbox"/> Construction         | <input type="checkbox"/> Industrial           | <input type="checkbox"/> Wildlife habitat |                                |

2. Brief Description of Use(s): \_\_\_\_\_  
\_\_\_\_\_

3. Total Irrigated Area: \_\_\_\_\_ Acres      Type of Plant Material: \_\_\_\_\_

4. Estimated Demand:    Total quantity: \_\_\_\_\_ HCF/yr.      Proposed hours of use: \_\_\_\_\_  
                                   Max. at PCO: \_\_\_\_\_ GPM (Total)    Hours/Day: \_\_\_\_\_  
                                   Min. pressure: \_\_\_\_\_ psi              Days/week: \_\_\_\_\_

5. No. of Service Connections: \_\_\_\_\_ No. of Meters Requested: \_\_\_\_\_ Size of Meters: \_\_\_\_\_

6. This Will Be A:       New System       Converted System

7. If a New System, how are Pipes to be identified:  Color-coded  Stenciled  Tape wrap  Other

8. Are there Special Construction Requirements?  Yes  No    If yes, explain: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

9. Date desired to Initiate Construction/Conversion: \_\_\_\_\_ Date Desired to Initiate Service: \_\_\_\_\_

10. Duration of Service (temporary, interim, construction use): \_\_\_\_\_

11. Additional Information (Include special conditions affecting service): \_\_\_\_\_

Please include the following items:

- Drawing of the project area on one, 8-1/2 x 11 sheet of paper. Include/show:
  - Location and size of service connections
  - Potable and recycled water main line locations
  - Specific recycled water use areas
  - Specific potable water use areas
  - Location of all wells
  - Location of all streams and water bodies
  - Location of all septic tank systems
  - Recreation areas (swing sets, tennis courts, etc.)
- Location map
- Check or money order for required fees made out to: **Valley Center Municipal Water District**

I have read and understand VCMWD’s Rules and Regulations for Recycled Water Service and agree to restrict water use to the purposes described in this application. I agree to use recycled water in accordance with these Rules and Regulations and all other applicable documents. I understand that recycled water, because of its chemical composition, may not be compatible with certain types of vegetation. I agree that VCMWD will not be liable for damages which may occur to uses of recycled water for purposes not included in this application. I am the owner, or authorized representative of the owner of the property for which this application for Recycled Water Service is submitted.

Signed: \_\_\_\_\_ Applicant Date: \_\_\_\_\_

**For Internal Use Only**

**STATUS OF APPLICATION:**

- |  |   |
|--|---|
| <input type="checkbox"/> Approved                                | <input type="checkbox"/> Sent to RWQCB and SD Co. Health Dept. for approval |
| <input type="checkbox"/> Applicant needs to submit required fees | <input type="checkbox"/> Applicant needs to supply additional information   |
| <input type="checkbox"/> Applicant denied recycled water service | <input type="checkbox"/> Returned to applicant                              |

COMMENTS: \_\_\_\_\_

12. Service connection(s) size approved?  Yes  No Service location approved?  Yes  No

13. Use(s) approved?  Yes  No Comments: \_\_\_\_\_

14. Can VCMWD provide requested recycled water service with existing facilities?  Yes  No  
If not, what are the constraints? \_\_\_\_\_

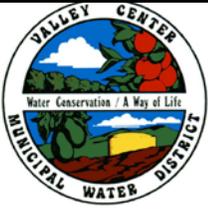
15. Is recycled water main extension required?  Yes  No  
Comments: \_\_\_\_\_

16. Will this system be initially connected to the potable water system?  Yes  No

17. Is backflow protection required?  Yes  No Describe level and method required: \_\_\_\_\_

Reviewed: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_



APPENDIX 3

RESPONSE LETTER  
VALLEY CENTER MUNICIPAL WATER DISTRICT

STATUS OF APPLICATION FOR RECYCLED WATER SERVICE

To: \_\_\_\_\_

Date: \_\_\_\_\_

Valley Center Municipal Water District (VCMWD) received your application for recycled water service for the project(s) listed below. The application has been reviewed by our engineers in accordance with VCMWD's Rules and Regulations for Recycled Water Service and the ability of our system to supply you with the quantity of recycled water you have requested.

Project Name: \_\_\_\_\_

Application Reviewed Date: \_\_\_\_\_

- STATUS:  Your application has been approved by VCMWD.  
 Your application has been sent to the RWQCB and San Diego Co. Department of Health Services for further review.  
 Your application is incomplete and VCMWD request additional information (See comments.)  
 VCMWD requires payment of fees before review can be completed.  
 Your application has been returned. (See comments.)  
 Your application for recycled water service has been denied. (See comments.)

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If you have any questions, please contact \_\_\_\_\_ (review engineer)  
at \_\_\_\_\_ (phone number).



VALLEY CENTER MUNICIPAL WATER DISTRICT  
29300 Valley Center Road  
P.O. Box 67  
Valley Center, CA 92082  
(760) 735-4500

PERMIT FOR RECYCLED WATER SERVICE

User Account No.: \_\_\_\_\_

User: \_\_\_\_\_ Contact: \_\_\_\_\_

Interest in Property: \_\_\_\_\_

Mailing Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Project/Site Name: \_\_\_\_\_

Project/Site Address: \_\_\_\_\_

Property Owner(s): \_\_\_\_\_ Phone: \_\_\_\_\_

Recycled Water Supervisor: \_\_\_\_\_ Phone: \_\_\_\_\_

Legal land description: \_\_\_\_\_

Approved use(s): (1) \_\_\_\_\_  
 (2) \_\_\_\_\_  
 (3) \_\_\_\_\_

Approved use area(s): (1) \_\_\_\_\_  
 (2) \_\_\_\_\_  
 (3) \_\_\_\_\_

1. Total irrigated area: \_\_\_\_\_ acres

2. Recycled water demand:

Meter Account No.	Meter Size	Min. Press. (psi)	Max. Flow (GPM)	Area Served (Acres)	Yearly Consump. (HCF/Yr.)
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
Totals:				_____	_____

3. This is a:  New System  Converted System

4. Method of recycled water pipe identification: \_\_\_\_\_

- 5. Recycled water service initiated on: \_\_\_\_\_
- 6. This is a:                     Permanent             Temporary\*             Interim\*             Construction\*  
\*Recycled water service to stop on: \_\_\_\_\_.
- 7. Rate charged for service: \$ \_\_\_\_\_ (per 1,000 gal per acre feet) plus additional base charges as shown in Appendix 1.
- 8. Special requirements/conditions:  
\_\_\_\_\_

**Cross-Connection Inspection:**

I have inspected the recycled and potable water systems governed by this permit and attest that a Cross-Connection Survey has been conducted and all protective devices have successfully passed all tests in strict conformance with VCMWD and the Department of Environmental Health Regulations.

Inspector: \_\_\_\_\_ Date: \_\_\_\_\_  
Title: \_\_\_\_\_

**Final Inspection:**

I have inspected the recycled water system governed by this permit and attest that the construction and operation of this system is in accordance with VCMWD’s Rules and Regulations for Recycled Water Service.

Inspector: \_\_\_\_\_ Date: \_\_\_\_\_  
Title: \_\_\_\_\_

**User Agreement:**

I have reviewed VCMWD’s Rules and Regulations for Recycled Water Service and agree to operate this recycled water service in accordance with all provisions of this permit and all applicable documents. I agree to be responsible for training and supervising all personnel under my control who will be involved in operating the recycled water system. I agree that no changes to the recycled water system will be made without issuance of an amended permit. **I am aware of any/all fines and penalties to be assessed for any/all violations of these Rules and Regulations for Recycled Water Service.**

User’s Recycled Water Supervisor: \_\_\_\_\_ Date: \_\_\_\_\_  
Title: \_\_\_\_\_

**District Approval:**

I certify that design and construction of the recycled water facilities authorized for operation under this permit are in accordance with VCMWD’s Rules and Regulations for Recycled Water Service. I attest that all required fees have been paid.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_  
Title: \_\_\_\_\_

**San Diego Department of Environmental Health Approval:**

I have reviewed the application package and approve providing recycled water service in accordance with the provisions contained in this recycled water use permit.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_  
Title: \_\_\_\_\_