

CITY OF ROSEVILLE
RULES AND REGULATIONS
FOR THE USE OF
RECYCLED WATER

1.0 GENERAL PROVISIONS

1.1 SPECIFIC AUTHORITY

These regulations for recycled water use are promulgated pursuant to the Roseville Municipal Code and Resolution No. _____.

1.2 DEFINITIONS

Whenever the following terms occur in these Rules and Regulations, or in any documents that these Rules and Regulations govern, the intent and meaning shall be interpreted as defined in the Roseville Municipal Code (RMC).

Additional terms in these Rules and Regulations are defined as follows:

Applicant – A Site Owner or his authorized representative who applies for recycled water service under the terms of these Rules and Regulations. A Site Owner becomes a User upon signing the Terms and Conditions.

Approved Use – An application of recycled water in a manner, and for a purpose, designated in the Terms and Conditions for Use of Recycled Water issued by the City and in compliance with any and all regulatory agency requirements.

Drawings – The plans, working drawings, detail drawings, profiles, typical cross sections and supplemental drawings or reproductions thereof, approved by the City, which shows use area boundary, character, dimensions or details of the design, locations, and construction of the applicant's recycled water facilities.

General Public – Any person or persons at large who may come in contact with facilities and/or areas where recycled water is approved for use.

Irrigation Use – An approved use of recycled water for landscape, horticultural, or agricultural irrigation as defined for recycled water under Title 22 of the California Code of Regulations.

Ponding – Retention of recycled water on the surface of the ground or other natural or man-made surface for a period of time following the cessation of an approved recycled water use activity such that a hazard or potential hazard to the public health results.

Regulatory Agencies – Those public agencies legally constituted to protect the public health and water quality such as, but not limited to, the California Department of Public Health, the Regional Water Quality Control Board and the Placer County Department of Health.

Incidental Runoff – Is defined as unintended small amounts (volume) of runoff from recycled water use areas, such as unintended, minimal over-spray from sprinklers that escapes the recycled water use area.

Service – The furnishing of recycled water to a user through a metered connection to the onsite facilities.

Use Area – A site, with well-defined boundaries, designated in the Terms and Conditions as defined in these Rules and Regulations and issued by the City to receive recycled water for an approved use and acknowledged by the regulatory agencies.

User/Site Owner – Any person, persons, partnership, corporation, or legal entity that holds legal title, is a contract purchaser, or is a lessee under a lease of property being served by City recycled water. A Site Owner becomes a User upon signing the Terms and Conditions.

User Violation – Negligent or willful noncompliance with any terms or conditions of these Rules and Regulations, State and local health department regulations, Regional Water Quality Control Board Regulations, and/or Terms and Conditions by any person or legal entity's, action or occurrence.

Site Supervisor – The responsible individual, as a representative of the Site Owner, that is responsible for operation and maintenance of the on-site recycled water system.

Terms and Conditions – The Terms and Conditions for Recycled Water Operations, Use and Service signed by the Site Owner that establishes the terms and conditions for recycled water service.

1.3 ENFORCEMENT

The City shall enforce these Rules and Regulations in all matters concerning the use of any recycled water and/or recycled water service. Each and every condition and requirement with respect to the use, connection, disconnection, reconnection, and/or discontinuance of recycled water and/or recycled water service provided by and set forth in the RMC and these Rules and Regulations shall apply with equal force and effort to any person, persons, or legal entity, public or private.

1.4 AMENDMENTS

These Rules and Regulations may be amended from time to time by the Director of Environmental Utilities (Director) as needed or to comply with all applicable Federal, State and local regulations and to protect public health.

1.5 SYSTEM RESPONSIBILITY

All off-site facilities are the responsibility of the City and shall be under the management and control of the City. The City shall be responsible for the quality assessment of recycled water as it relates to compliance with applicable Federal, State and local regulations.

1.6 AUTHORIZED USES

These Rules and Regulations address the application of recycled water for landscape irrigation, agricultural irrigation, in office buildings for toilet flushing, industrial process water, or other uses permitted by the regulatory agencies. Other proposed uses will be considered on a case-by-case basis by the City and the regulatory agencies. The City has sole authority to deny any use of recycled water even if approved by regulatory agencies. In all cases, the City's approval of any proposed use will be contingent upon the proposed use being approved by the regulatory agencies. Only those uses specified in the Terms and Conditions are authorized uses. Any other uses other than those uses authorized are prohibited.

2.0 CONSTRUCTION AND SERVICE REQUIREMENTS

2.1 DESIGN APPROVAL

Prior to the construction of on-site facilities that will use or receive recycled water, the design of such facilities must be submitted to and approved by the City of Roseville Environmental Utilities Department. Approval shall be contingent upon evidence that all applicable design requirements are satisfied, including those contained within these Rules and Regulations and City Design Standards. All plans for on-site recycled water systems shall include a copy of the current City of Roseville Recycled Water Special On-Site Irrigation Notes (as published on the City's website) incorporated into the plans.

2.2 CONSTRUCTION INSPECTION

Authorized agents of the City shall inspect at the Site Owner's expense the construction of on-site facilities that will use or receive recycled water to verify that the facilities are constructed in conformance with the Recycled Water Ordinance, these Rules and Regulations, and the submitted and approved improvement plans of the facilities. Site Owner shall provide the City with a copy of "As Built Plans" after acceptance by the City of the facility.

2.3 SERVICE APPROVAL

Prior to approval for the use of recycled water in accordance with the RMC, the applicant must complete all documentation necessary for approval which may include but is not limited to a California Department of Public Health Title 22 Engineering Report, user reclamation plan, and environmental (CEQA) requirements.

Recycled water service shall be available only in accordance with the City's Recycled Water Ordinance, these Rules and Regulations and any applicable Federal, State and local statutes, ordinances and regulations. The Applicant must comply with all the above agencies' requirements in design, construction and operation of recycled water facilities.

Before final approval to draw recycled water into newly constructed facilities, the facilities must pass a cross-connection test and other tests as required by these rules and regulations to ensure the proper operation of the recycled water facilities.

2.4 REQUIREMENTS OF NEW CONSTRUCTED ON-SITE SYSTEMS

1. The Terms and Conditions shall provide for the design, construction, and operation of on-site facilities in accordance with the following minimum standards and procedures:
 - a. Manual of Cross Connection Control, State of California Department of Public Health;
 - b. Guidelines for Distribution of Non-potable Water, California-Nevada Section, American Water Works Association (AWWA);
 - c. Guidelines for Use of Recycled Water, State of California Department of Public Health;
 - d. Title 17, Chapter 5, Subchapter 1 California Administrative Code regarding cross connections and backflow prevention;

- e. Laws and Standards of the State of California, Department of Public Health relating to recycled water;
 - f. Design and Construction Standards of the City of Roseville, Department of Public Works;
 - g. Placer County Department of Environmental Health regulations pertaining to recycled water;
 - h. Title 22, Division 4, California Administrative Code;
 - i. Statewide Recycled Water Policy as Adopted February 3, 2009;
2. Completion, approval by the City, and subsequent approval by the Department of Public Health of a Title 22 Engineering Report and/or User Reclamation Plan;
 3. Successful completion of a cross connection test performed by the water purveyor at the Owner's expense prior to start-up;
 4. Passing the annual test of all backflow prevention device(s) on potable water service line(s) to the site normally performed by the water purveyor at the Owner's expense;
 5. Comply with periodic on-site inspections to assess compliance with the Terms and Conditions and these Rules and Regulations at a frequency as deemed necessary by the Director.

2.5 REQUIREMENTS FOR EXISTING FACILITY CONVERSION TO RECYCLED WATER

1. Assessment will be made by the City on the feasibility of converting a potable system to a recycled water facility under the Roseville Recycled Water Ordinance and any other applicable laws or regulations. Among items to be reviewed for possible modification; separation of the potable system from proposed recycled system, the potential for cross connection, proper identification and signage of the proposed recycled water facilities, and other modifications as deemed necessary by the Director.
2. Successful completion of a cross connection test performed by the water purveyor at the Owner's expense prior to start-up;
3. Passing the annual test of all backflow prevention device(s) on potable water service line(s) to the site;
4. Comply with periodic on-site inspections to assess compliance with the Terms and Conditions and these Rules and Regulations at a frequency as deemed necessary by the Director.

2.6 MONITORING

It is the responsibility of the User to supervise the operation of the user's on-site facilities in a manner that assures compliance at all times with the Recycled Water Ordinance and these Rules and Regulations.

The City shall conduct periodic on-site inspections of the User's facilities and operations at a frequency deemed necessary by the Director to assure compliance with the Terms and Conditions and these Rules and Regulations.

2.7 TESTING

All sites which are served with recycled water shall be tested as often as deemed necessary by the Director to assure compliance with the Terms and Conditions and these Rules and Regulations. Such operational testing may include, but is not limited to pressure testing, testing for cross connections, observing operations for over spray, run-off, ponding, and other tests or observations of operations as required by these Rules and Regulations, the Recycled Water Ordinance, Federal, State and local regulations. 48 hours notice will be provided to the Owner prior to testing being performed.

2.8 CROSS CONNECTION CONTROL TESTING

All recycled water systems must pass a cross connection control acceptance test performed by City crews prior to recycled water being introduced into the onsite system. The cross connection control acceptance test shall be performed consistent with a complete shutdown test per Appendix J of the Uniform Building Code. Thereafter, sites shall be retested based on the following criteria. A failed cross connection control shall result in the immediate disconnection of the recycled water and potable water services. The City is not responsible for any loss or damage due to the immediate disconnection of recycled water and potable water services in the event of a direct cross connection.

1. Dual plumbed recycled water use sites as defined in Title 22 of the California Code of regulations, Division 4, Chapter 3, Article 4, Section 60301.250 shall be retested at a frequency of not more than every 4 (four) years.

2. Individual recycled water use sites that undergo extensive construction after an acceptance test shall be subject to a retest at the discretion of the Director.
3. All other recycled water user sites shall be retested at the discretion of the Director.

2.9 SPECIFIC PROHIBITIONS

Recycled water service may be terminated in accordance with the Recycled Water Ordinance. The following conditions are specifically prohibited:

A. Runoff Conditions

Application of recycled water to the Use Area shall be at reasonable agronomic rates and shall consider soil, climate and nutrient demand. Irrigation with recycled water which results in runoff, not defined as incidental runoff in the definitions section, outside the recycled water use area, irrigation with recycled water on water-saturated ground or irrigation with recycled water during precipitation events is prohibited. The direct discharge of recycled water by the User to surface waters is prohibited.

B. Incomplete Infiltration

Conditions that directly or indirectly cause recycled water to pond outside of or within the approved use area, as defined in the definitions section, are strictly prohibited. Irrigation water must infiltrate completely within a 48 hour period. This prohibition does not apply to properly permitted recycled water storage ponds.

C. Over Spray Conditions

Recycled water will not be allowed to escape from the approved use area by airborne spray except in minor amounts such as that associated with good irrigation practice. Recycled water spray or mist entering a dwelling or food handling facility is strictly prohibited.

D. Unapproved Uses

Use of recycled water for any purposes other than those explicitly approved in the Terms and Conditions is strictly prohibited.

E. Use in Unapproved Areas

Use of recycled water for any purposes, including approved uses, in areas other than those explicitly approved in the user agreement is strictly prohibited.

F. Cross Connections

Cross connections between the recycled water system and the potable water system, whether by design, construction practice, or system operation, are strictly prohibited. Supplementing recycled water with potable water shall only be allowed through an air-gap separation with prior written approval of the Director.

G. Irrigation or Impoundment of Recycled Water Near Wells

There shall be no irrigation of recycled water within 50 feet of any well used for potable supply unless it can be demonstrated to the satisfaction of the City and the regulatory agencies that special circumstances justify lesser

distances to be acceptable. There will be no impoundment of recycled water within 100 feet of any well used for a potable water supply.

H. Excessive Nutritive Loading

The seasonal nutritive loading of the Use Area including the nutritive value of organic and chemical fertilizers and of the recycled water, shall not exceed the nutritive demand of the landscape.

2.10 SIGNAGE

All recycled water use sites are required to provide City approved recycled water warning signage at locations consistent with Title 22, these Rules and Regulations, the Terms and Conditions and the approved plans.

2.11 RECYCLED WATER APPLICATION

- A. Application of recycled water to the Use Area shall be at reasonable agronomic rates and shall consider soil, climate, and nutrient demand. Application rates shall ensure that a nuisance is not created.
- B. The seasonal nutritive loading of the Use Area including the nutritive value of organic and chemical fertilizers and of the recycled water, shall not exceed the nutritive demand of the landscape.
- C. Use Areas that are spray irrigated and allow public access shall be irrigated during periods of minimal use, normally 9PM to 6AM. Supervised manual or "spot" watering may take place anytime during the day. Consideration shall be given to allow maximum drying time prior to subsequent public use.

3.0 ADMINISTRATIVE PROCEDURES FOR APPROVAL OF RECYCLED WATER SERVICE

3.1 TERMS AND CONDITIONS

All Site Owners shall sign a Terms and Conditions for Use of Recycled Water (Terms and Conditions) prior to connection to the City recycled water system via a billing meter. The Terms and Conditions shall be signed by each subsequent Property Owner within 30 days of transfer of service. The Terms and Conditions shall outline the specific terms and conditions under which recycled water may be used within the City of Roseville and at the specific use site. The Terms and Conditions reference applicable Federal, State and local regulations as well as these Rules and Regulations.

3.2 OBTAINING SERVICE

The following interactions between the City and the applicant are required for the administration of recycled water service:

A. Application Submittal

An application form for recycled water service, as supplied by the City, shall be completed and signed by the Applicant, who may be the Property Owner or authorized representative. The application shall provide information concerning the Applicant's relationship to the subject property as legal owner, tenant or lessee; the type of recycled water use being proposed; the address and/or a description of the property to be served; purpose for which the property is to be used; the volume of recycled water

anticipated to be required; and total area to be served. The application may also list any special conditions for service pursuant to these Rule and Regulations. Certain technical information, derived from the design and particular type of recycled water use, shall also be provided. The application form shall be accompanied by service exhibits. These exhibits shall be drawings delineating the subject design area, identifying the location and size of all service connections, delineating areas in which recycled water service is to be applied and/or excluded, and showing the nearest major street(s).

B. City Evaluation

Upon receipt of an application for recycled water use, the Director shall review the application and make such investigation as the Director deems necessary. An evaluation shall be performed which will establish that all information submitted is consistent with the Recycled Water Ordinance, these Rules and Regulations, and the requirements of the regulatory agencies.

C. Plan Approval

Plan approval shall be consistent with Section 2.0 of these rules and Regulations.

C. Service Scheduling

In order to maintain acceptable working conditions throughout the recycled water distribution system, the City may schedule the delivery of recycled

water to sites. 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 take into account the constraints of regulatory agencies, the requirements of these Rules and Regulations, and the operating constraints of affected Users.

D. Relation of Property to Service

A service connection shall not be used to supply adjoining property of a different owner.

E. Metering

All recycled water used on any premises where a City meter is installed shall pass through that meter. Users shall be held responsible and charged for all water passing through the City meter. Users of recycled water shall permit an agent of the Director to read the meter on a monthly basis.

F. Initiation of Service

Following final inspection, testing and approval of the recycled water facilities by the City, the Applicant shall submit in writing a date for initial receipt of recycled water. City water initiation procedures for the recycled water service shall be the same as established for the potable water system.

3.2 REPORTING

The following items shall be reported by the City to the User:

- A. The quantity of recycled water delivered to the User during the billing period, to be submitted as part of the City's billing for recycled water service and based on readings taken from the City's meter.
- B. The quality, including treatment type and constituency, of recycled water delivered to the user, to be submitted only at the specific request of the user.

The following will be reported by the User to the City:

- A. Immediately, the discovery of a cross connection with any other water system.
- B. Within 48 hours, any unauthorized discharges of recycled water from the User's site.
- C. Within 2 weeks, any changes in Site Supervisor.
- D. Annually, the quantity, frequency and type of fertilizer applied to the user site.

3.3 INDEMNITY CLAUSE

The City is not responsible for any damage associated with the delivery of recycled water. This includes but is not limited to connections to the recycled water system, infrastructure connected to the recycled water system, parcels adjoining parcels using recycled water, and all incidental losses due to the failure to supply recycled water.